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; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: PCT/US00/13705
; PRIOR FILING DATE: 2000-05-17
; PRIOR APPLICATION NUMBER: PCT/US00/14042
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: PCT/US00/14941
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: PCT/US00/15264
; PRIOR FILING DATE: 2000-06-02
; PRIOR APPLICATION NUMBER: PCT/US00/23522
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: PCT/US00/23328
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: PCT/US00/32678
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: PCT/US01/17800
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US01/19692
; PRIOR FILING DATE: 2001-06-20
; PRIOR APPLICATION NUMBER: PCT/US01/21066
; PRIOR FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: PCT/US01/21735
; PRIOR FILING DATE: 2001-07-09
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 12
; LENGTH: 235
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-053-107-12

Query Match      100.08; Score 1220; DB 9; Length 235;
Best Local Similarity 100.08; Pred. No. 9,8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MOORCAAGRCGALPFLGVLVFFQGVIVFSLERADAHVRGYGVEKIKLKCTFKSTSDV 60
    |||||||
Db 1 MOORCAAGRCGALPFLGVLVFFQGVIVFSLERADAHVRGYGVEKIKLKCTFKSTSDV 60
    |||||||

Oy 61 TDKLTIDWYRPPSSSHYTSVFHYQSFOYPTTAGTFRDRISWGVNYYKGDASISISNPT 120
    |||||||
Db 61 TDKLTIDWYRPPSSSHYTSVFHYQSFOYPTTAGTFRDRISWGVNYYKGDASISISNPT 120
    |||||||

Oy 121 KDNGTFCVAVKPPDVHNNIPMTLTVTGRTGFTMLSSVALLSILVFPVSAVVALLVR 180
    |||||||
Db 121 KDNGTFCVAVKPPDVHNNIPMTLTVTGRTGFTMLSSVALLSILVFPVSAVVALLVR 180
    |||||||

Oy 181 MGRKAAGLKKRSRGYKKSSTSEVSDDTDOEEECAMRLCVRCAECLDSYEETY 235
    |||||||
181 MGRKAAGLKKRSRGYKKSSTSEVSDDTDOEEECAMRLCVRCAECLDSYEETY 235
    |||||||

RESULT 2
US-10-227-884-238
; Sequence 238, Application US/10227884
; Publication No. US20030027988A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3530P1C79
; CURRENT APPLICATION NUMBER: US/10/227,884
; CURRENT FILING DATE: 2002-08-26
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099812
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099811
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/099803
; PRIOR FILING DATE: 1998-09-09
; PRIOR APPLICATION NUMBER: 60/099598
; PRIOR FILING DATE: 1998-08-31
; PRIOR APPLICATION NUMBER: 60/098544
; PRIOR FILING DATE: 1998-08-26
; PRIOR APPLICATION NUMBER: 60/097986
; PRIOR FILING DATE: 1998-08-17
; PRIOR APPLICATION NUMBER: 60/096791
; PRIOR FILING DATE: 1998-08-11
; PRIOR APPLICATION NUMBER: 60/096146
; PRIOR FILING DATE: 1998-08-10
; PRIOR APPLICATION NUMBER: 60/095916
; PRIOR FILING DATE: 1998-08-04
; PRIOR APPLICATION NUMBER: 60/095318
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/095302
; PRIOR FILING DATE: 1998-06-25
; PRIOR APPLICATION NUMBER: 60/090691
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/090472
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-15
; PRIOR APPLICATION NUMBER: 60/089532
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-13
; PRIOR APPLICATION NUMBER: 60/085323
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084441
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082804
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081955
; PRIOR FILING DATE: 1998-04-15
; PRIOR APPLICATION NUMBER: 60/081819
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 2002-04-09
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; PRIOR APPLICATION NUMBER: 60/099816
; PRIOR FILING DATE: 1998-09-10
; PRIOR APPLICATION NUMBER: 60/100038
; PRIOR FILING DATE: 1998-09-11
; PRIOR APPLICATION NUMBER: 60/100385
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; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 60/101786
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; PRIOR FILING DATE: 1998-11-17
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; PRIOR FILING DATE: 1998-11-17
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; PRIOR FILING DATE: 1998-11-18
; PRIOR APPLICATION NUMBER: 60/112422
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 60/113296
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; PRIOR APPLICATION NUMBER: 60/115733
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/119549
; PRIOR FILING DATE: 1999-02-10
; PRIOR APPLICATION NUMBER: 60/123618
; PRIOR FILING DATE: 1999-03-10
; PRIOR APPLICATION NUMBER: 60/125259
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 60/125775
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 60/126773
; PRIOR FILING DATE: 1999-03-29
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; PRIOR FILING DATE: 1999-04-26
; PRIOR APPLICATION NUMBER: 60/131270
; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131291

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; PRIOR FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/131445
; PRIOR FILING DATE: 1999-04-28
; PRIOR APPLICATION NUMBER: 60/134287
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 60/140650
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/140723
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: 60/141037
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; PRIOR APPLICATION NUMBER: 60/146222
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; PRIOR FILING DATE: 1999-08-31
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; PRIOR FILING DATE: 1999-11-09
; PRIOR APPLICATION NUMBER: 60/166361
; PRIOR FILING DATE: 1999-11-16
; PRIOR APPLICATION NUMBER: 60/169445
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169495
; PRIOR FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9.8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MOORGAAGRCALFPLGLVLFQGVYIVFSLEIRADAHVRGYGGEIKLKCTFKSTSDV 60
|||||
Db 1 MOORGAAGRCALFPLGLVLFQGVYIVFSLEIRADAHVRGYGGEIKLKCTFKSTSDV 60
Oy 61 TDKLTIDWTYRPPSSSHTSVIFHYQSFQYPTTACTFRDRISWGNVYKGDASISISNPTI 120
|||||
Db 61 TDKLTIDWTYRPPSSSHTSVIFHYQSFQYPTTACTFRDRISWGNVYKGDASISISNPTI 120
Oy 121 KDNCTFSCAVKNPPDVHNIPTMTLTVTTERGFTMLSSVALLSILVFPVSAVVALLVR 180
|||||
Db 121 KDNCTFSCAVKNPPDVHNIPTMTLTVTTERGFTMLSSVALLSILVFPVSAVVALLVR 180
Oy 181 MGRKAAGLKKRSRGYKSSIEVSDDTDQEEECACMARLCVRCACELDSYEETY 235
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Db 181 MGRKAAGLKKRSRGYKSSIEVSDDTDQEEECACMARLCVRCACELDSYEETY 235

RESULT 3

US-10-230-163-238
; Sequence 238, Application US/10230163
; Publication No. US20030036635A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

;; TITLE OF INVENTION: ACIDS ENCODING THE SAME
;; FILE REFERENCE: P3530PIC96
;; CURRENT APPLICATION NUMBER: US/10/230,163
;; CURRENT FILING DATE: 2002-08-28
;; PRIOR APPLICATION NUMBER: 10/119,480
;; PRIOR FILING DATE: 2002-04-09
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/062287
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/063549
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;; PRIOR FILING DATE: 1997-10-31
;; PRIOR APPLICATION NUMBER: 60/069873
;; PRIOR FILING DATE: 1997-12-17
;; PRIOR APPLICATION NUMBER: 60/078910
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;; PRIOR FILING DATE: 1998-03-25
;; PRIOR APPLICATION NUMBER: 60/079656
;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079728
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;; PRIOR FILING DATE: 1999-04-05
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;; PRIOR FILING DATE: 1999-04-21

;; PRIOR APPLICATION NUMBER: 60/131022
;; PRIOR FILING DATE: 1999-04-26
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;; PRIOR FILING DATE: 1999-04-27
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;; PRIOR FILING DATE: 1999-04-27
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;; PRIOR APPLICATION NUMBER: 60/164418
;; PRIOR FILING DATE: 1999-11-09
;; PRIOR APPLICATION NUMBER: 60/166361
;; PRIOR FILING DATE: 1999-11-16
;; PRIOR APPLICATION NUMBER: 60/169445
;; PRIOR FILING DATE: 1999-12-07
;; PRIOR APPLICATION NUMBER: 60/169495
;; PRIOR FILING DATE: 1999-12-07
;; PRIOR APPLICATION NUMBER: 60/169835

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9, 8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MOORGAAGSGCALFPLLGLVLFQGVYIVFSLERADAHVRGVGKIKLKCTFKSTSDV 60
DB 1 MOORGAAGSGCALFPLLGLVLFQGVYIVFSLERADAHVRGVGKIKLKCTFKSTSDV 60

QY 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
DB 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120

QY 121 KNGTSCAVKNPDPVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
DB 121 KNGTSCAVKNPDPVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180

QY 181 MGRKAAGLKKRSRSGYKSSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235
DB 181 MGRKAAGLKKRSRSGYKSSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235

RESULT 4
US-10-218-631-238
; Sequence 238, Application US/10218631
; Publication No. US20030045687A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

;; APPLICANT: Smith, Victoria
;; APPLICANT: Stephan, Jean-Philippe F.
;; APPLICANT: Watanabe, Colin L.
;; APPLICANT: Wood, William I.
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
;; FILE REFERENCE: P3530PIC14
;; CURRENT APPLICATION NUMBER: US/10/218,631
;; CURRENT FILING DATE: 2002-08-12
;; PRIOR APPLICATION NUMBER: 10/119,480
;; PRIOR FILING DATE: 2002-04-09
;; PRIOR APPLICATION NUMBER: 60/059113
;; PRIOR FILING DATE: 1997-09-17
;; PRIOR APPLICATION NUMBER: 60/062287
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/063549
;; PRIOR FILING DATE: 1997-10-28
;; PRIOR APPLICATION NUMBER: 60/064103
;; PRIOR FILING DATE: 1997-10-31
;; PRIOR APPLICATION NUMBER: 60/069873
;; PRIOR FILING DATE: 1997-12-17
;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/079294
;; PRIOR FILING DATE: 1998-03-25
;; PRIOR APPLICATION NUMBER: 60/079656
;; PRIOR FILING DATE: 1998-03-26
;; PRIOR APPLICATION NUMBER: 60/079728
;; PRIOR FILING DATE: 1998-03-27
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 246
;; SEQ ID NO 238
;; LENGTH: 235
;; TYPE: PRT
;; ORGANISM: Homo Sapien
US-10-218-631-238

Query Match 100.0%; Score 1220; DB 9; Length 235;
Best Local Similarity 100.0%; Pred. No. 9, 8e-98;
Matches 235; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MOORGAAGSGCALFPLLGLVLFQGVYIVFSLERADAHVRGVGKIKLKCTFKSTSDV 60
DB 1 MOORGAAGSGCALFPLLGLVLFQGVYIVFSLERADAHVRGVGKIKLKCTFKSTSDV 60

QY 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120
DB 61 TDKLTIDWYRPPSSSHTSVIFHYQSFOYPTTAGTFRDRISWGVNKGDSISISNPTI 120

QY 121 KNGTSCAVKNPDPVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180
DB 121 KNGTSCAVKNPDPVHHNIPMTLTVTERGFGTMLSSVALLSILVFPVSAVVALLVR 180

QY 181 MGRKAAGLKKRSRSGYKSSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235
DB 181 MGRKAAGLKKRSRSGYKSSIEVSDDTDOEEECACMARLCVRCACELDSYEETY 235

RESULT 5
US-10-230-338-238
; Sequence 238, Application US/10230338
; Publication No. US2003004934A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.

Matches 182: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 54 FKSTSDVTKLTDKLTIDWTTYPSSSHTSVFHYQSFOYPTTAGTFRDRISWGNVYKGDASI 113

Db 2 FKSTSDVTKLTDKLTIDWTTYPSSSHTSVFHYQSFOYPTTAGTFRDRISWGNVYKGDASI 61

Oy 114 SISNPTIKDNGTFCVAVKPNPDVHHNIPMTLTVTERGFTGMLSSVALLSLILVFVPSAVV 173

Db 62 SISNPTIKDNGTFCVAVKPNPDVHHNIPMTLTVTERGFTGMLSSVALLSLILVFVPSAVV 121

Oy 174 VALLVRMGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEE 233

Db 122 VALLVRMGRKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEE 181

Oy 234 TY 235

Db 182 TY 183

RESULT 8

JS-09-764-853-813

; Sequence 813: Application US/09764853

; Patent No. US20020090672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: P3206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 813

; LENGTH: 173

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (39)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (41)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (68)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

; NAME/KEY: SITE

; LOCATION: (104)

; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-764-853-813

Query Match 55.5%; Score 677; DB 10; Length 173;

Best Local Similarity 79.8%; Pred. No. 3.7e-51;

Matches 138; Conservative 7; Mismatches 24; Indels 4; Gaps 2;

Oy 63 KLITDWTYRPPSSHTSVIFHYQSFOYPTTAGTFRDRISWGNVYKGDASISNPTIKD 122

Db 5 RLDISFSQOQP---HSINI-SLSVFPVFNHRSISGSDXGXGNVYKGDASISNPTIKD 60

Oy 123 NCTFSCAVKPNPDVHHNIPMTLTVTERGFTGMLSSVALLSLILVFVPSAVVALLVRMG 182

Db 61 NCTFSCAVKPNPDVHHNIPMTLTVTERGFTGMLSSVALLSLILVFVPSAVVALLVRMG 120

Oy 183 RKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEEY 235

Db 121 RKAAGLKKRSRGYKSSIEVSDTDQEEECACMARLCVRCACLDSDYEEY 173

RESULT 9

US-09-992-598-389

; Sequence 389, Application US/09992598

; Patent No. US20020160384A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geirilsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC20
; CURRENT APPLICATION NUMBER: US/09/992,598
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
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; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
; PRIOR FILING DATE: 1998-06-04
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; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088030
; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04

1	PRIOR FILING DATE:	1998-06-24
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3	PRIOR FILING DATE:	1998-06-24
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5	PRIOR FILING DATE:	1998-06-24
6	PRIOR APPLICATION NUMBER:	60/090445
7	PRIOR FILING DATE:	1998-06-24
8	PRIOR APPLICATION NUMBER:	60/090472
9	PRIOR FILING DATE:	1998-06-24
10	PRIOR APPLICATION NUMBER:	60/090535
11	PRIOR FILING DATE:	1998-06-24
12	PRIOR APPLICATION NUMBER:	60/090540
13	PRIOR FILING DATE:	1998-06-24
14	PRIOR APPLICATION NUMBER:	60/090542
15	PRIOR FILING DATE:	1998-06-24
16	PRIOR APPLICATION NUMBER:	60/090557
17	PRIOR FILING DATE:	1998-06-24
18	PRIOR APPLICATION NUMBER:	60/090676
19	PRIOR FILING DATE:	1998-06-25
20	PRIOR APPLICATION NUMBER:	60/090678
21	PRIOR FILING DATE:	1998-06-25
22	PRIOR APPLICATION NUMBER:	60/090690
23	PRIOR FILING DATE:	1998-06-25
24	PRIOR APPLICATION NUMBER:	60/090694
25	PRIOR FILING DATE:	1998-06-25
26	PRIOR APPLICATION NUMBER:	60/090695
27	PRIOR FILING DATE:	1998-06-25
28	PRIOR APPLICATION NUMBER:	60/090696
29	PRIOR FILING DATE:	1998-06-25
30	PRIOR APPLICATION NUMBER:	60/090862
31	PRIOR FILING DATE:	1998-06-26
32	PRIOR APPLICATION NUMBER:	60/090863
33	PRIOR FILING DATE:	1998-06-26
34	PRIOR APPLICATION NUMBER:	60/091360
35	PRIOR FILING DATE:	1998-07-01
36	PRIOR APPLICATION NUMBER:	60/091478
37	PRIOR FILING DATE:	1998-07-02
38	PRIOR APPLICATION NUMBER:	60/091544
39	PRIOR FILING DATE:	1998-07-01
40	PRIOR APPLICATION NUMBER:	60/091519
41	PRIOR FILING DATE:	1998-07-02
42	PRIOR APPLICATION NUMBER:	60/091626
43	PRIOR FILING DATE:	1998-07-02
44	PRIOR APPLICATION NUMBER:	60/091633
45	PRIOR FILING DATE:	1998-07-02
46	PRIOR APPLICATION NUMBER:	60/091978
47	PRIOR FILING DATE:	1998-07-07
48	PRIOR APPLICATION NUMBER:	60/091982
49	PRIOR FILING DATE:	1998-07-07
50	PRIOR APPLICATION NUMBER:	60/092182
51	PRIOR FILING DATE:	1998-07-09

Query Match	19.6%	Score 239.5;	DB 9;	Length 215;
Best Local Similarity	30.5%;	Pred. No. 2.2e-13;		
Matches	68;	Conservative	33;	Mismatches 93;
			Indels	29;
			Gaps	6;
QY	5	GAAGSRGALPPLGLGVLFQCGVTVFSLERADAHVGVGEKIKLCTKFTSDVTDKL	64	
DB	3	GKSSTR--AVLLLLGIQ-LTALWPIAAVEITYTSRVLEAVNCTDARLCTFSSFAPVGDA	59	
QY	65	TIDWTPYRPSSTHTVSIHFHYQSFQYPTTATFFDRISWGNVYKGDASISINPTIKNG	124	
DB	60	TVTWNFRPLDGGPQGFYFHYHIDPQPMGRFKDQVSDGWNPERYDASILLWKILQFPDNG	119	
QY	125	TFSCAVKNPPDVH-----HNIPMTFLTVTGFGTLMLSVALLSILVFPVSAVV	173	
DB	120	TYTCQVKNPPDVGVIGEIRLSVVHTVYFSEIHFLAIAIG---SACALMIIVI----	172	
QY	174	VALLVVRMGRKAAGL-----KKRSRGYKKSSIEVSDDTD	208	
DB	173	VLFOHYRKKKWAERAAHKKVWEIKSKEERLNOEKKVSVLEDTD	215	

RESULT 10
 US-09-989-293A-389
 Sequence 389, Application US/09989293A
 Patent No. US20020177164A1
 GENERAL INFORMATION:
 APPLICANT: Ashkenazi, Avi J.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Botstein, David
 APPLICANT: Desnoyers, Luc
 APPLICANT: Eaton, Dan L.
 APPLICANT: Ferrara, Napoleone
 APPLICANT: Fong, Sherman
 APPLICANT: Gerber, Hanspeter
 APPLICANT: Gerritsen, Mary E.
 APPLICANT: Goddard, Audrey
 APPLICANT: Godowski, Paul J.
 APPLICANT: Grimaldi, J. Christopher
 APPLICANT: Gurney, Austin I.
 APPLICANT: Kljavin, Ivar J.
 APPLICANT: Napier, Mary A.
 APPLICANT: Pan, James
 APPLICANT: Paoni, Nicholas F.
 APPLICANT: Roy, Margaret Ann
 APPLICANT: Stewart, Timothy A.
 APPLICANT: Tumas, Daniel
 APPLICANT: Watanabe, Colin K.
 APPLICANT: Williams, P. Mickey
 APPLICANT: Wood, William I.
 APPLICANT: Zhang, Zemin
 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 TITLE OF INVENTION: Acids Encoding the Same
 FILE REFERENCE: P2730PIC66
 CURRENT APPLICATION NUMBER: US/09/989,293A
 CURRENT FILING DATE: 2001-11-20
 PRIOR APPLICATION NUMBER: 60/049787
 PRIOR FILING DATE: 1997-06-16
 PRIOR APPLICATION NUMBER: 60/062250
 PRIOR FILING DATE: 1997-10-17
 PRIOR APPLICATION NUMBER: 60/065186
 PRIOR FILING DATE: 1997-11-12
 PRIOR APPLICATION NUMBER: 60/065311
 PRIOR FILING DATE: 1997-11-13
 PRIOR APPLICATION NUMBER: 60/066770
 PRIOR FILING DATE: 1997-11-24
 PRIOR APPLICATION NUMBER: 60/075945
 PRIOR FILING DATE: 1998-02-25
 PRIOR APPLICATION NUMBER: 60/078910
 PRIOR FILING DATE: 1998-03-20
 PRIOR APPLICATION NUMBER: 60/083322
 PRIOR FILING DATE: 1998-04-28
 PRIOR APPLICATION NUMBER: 60/084600
 PRIOR FILING DATE: 1998-05-07
 PRIOR APPLICATION NUMBER: 60/087106
 PRIOR FILING DATE: 1998-05-28
 PRIOR APPLICATION NUMBER: 60/087607
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087609
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087759
 PRIOR FILING DATE: 1998-06-02
 PRIOR APPLICATION NUMBER: 60/087827
 PRIOR FILING DATE: 1998-06-03
 PRIOR APPLICATION NUMBER: 60/088021
 PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088025
 PRIOR FILING DATE: 1998-06-04
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 PRIOR FILING DATE: 1998-06-04
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 PRIOR APPLICATION NUMBER: 60/088030

PRIOR FILING DATE: 1998-06-04
 PRIOR APPLICATION NUMBER: 60/088033
 PRIOR FILING DATE: 1998-06-04
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 PRIOR APPLICATION NUMBER: 60/088167
 PRIOR FILING DATE: 1998-06-05
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 PRIOR APPLICATION NUMBER: 60/088212
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 PRIOR APPLICATION NUMBER: 60/089801
 PRIOR FILING DATE: 1998-06-18
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 PRIOR FILING DATE: 1998-06-18
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 PRIOR FILING DATE: 1998-06-18
 PRIOR APPLICATION NUMBER: 60/089947
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/089948
 PRIOR FILING DATE: 1998-06-19
 PRIOR APPLICATION NUMBER: 60/089952
 PRIOR FILING DATE: 1998-06-19
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 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090252
 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090254
 PRIOR FILING DATE: 1998-06-22
 PRIOR APPLICATION NUMBER: 60/090349
 PRIOR FILING DATE: 1998-06-23

1 PRIOR APPLICATION NUMBER: 60/090355
2 PRIOR FILING DATE: 1998-06-23
3 PRIOR APPLICATION NUMBER: 60/090429
4 PRIOR FILING DATE: 1998-06-24
5 PRIOR APPLICATION NUMBER: 60/090431
6 PRIOR FILING DATE: 1998-06-24
7 PRIOR APPLICATION NUMBER: 60/090435
8 PRIOR FILING DATE: 1998-06-24
9 PRIOR APPLICATION NUMBER: 60/090444
10 PRIOR FILING DATE: 1998-06-24
11 PRIOR APPLICATION NUMBER: 60/090445
12 PRIOR FILING DATE: 1998-06-24
13 PRIOR APPLICATION NUMBER: 60/090472
14 PRIOR FILING DATE: 1998-06-24
15 PRIOR APPLICATION NUMBER: 60/090535
16 PRIOR FILING DATE: 1998-06-24
17 PRIOR APPLICATION NUMBER: 60/090540
18 PRIOR FILING DATE: 1998-06-24
19 PRIOR APPLICATION NUMBER: 60/090542
20 PRIOR FILING DATE: 1998-06-24
21 PRIOR APPLICATION NUMBER: 60/090557
22 PRIOR FILING DATE: 1998-06-24
23 PRIOR APPLICATION NUMBER: 60/090676
24 PRIOR FILING DATE: 1998-06-25
25 PRIOR APPLICATION NUMBER: 60/090678
26 PRIOR FILING DATE: 1998-06-25
27 PRIOR APPLICATION NUMBER: 60/090690
28 PRIOR FILING DATE: 1998-06-25
29 PRIOR APPLICATION NUMBER: 60/090694
30 PRIOR FILING DATE: 1998-06-25
31 PRIOR APPLICATION NUMBER: 60/090695
32 PRIOR FILING DATE: 1998-06-25
33 PRIOR APPLICATION NUMBER: 60/090696
34 PRIOR FILING DATE: 1998-06-25
35 PRIOR APPLICATION NUMBER: 60/090862
36 PRIOR FILING DATE: 1998-06-26
37 PRIOR APPLICATION NUMBER: 60/090863
38 PRIOR FILING DATE: 1998-06-26
39 PRIOR APPLICATION NUMBER: 60/091360
40 PRIOR FILING DATE: 1998-07-01
41 PRIOR APPLICATION NUMBER: 60/091478
42 PRIOR FILING DATE: 1998-07-02
43 PRIOR APPLICATION NUMBER: 60/091544
44 PRIOR FILING DATE: 1998-07-01
45 PRIOR APPLICATION NUMBER: 60/091519
46 PRIOR FILING DATE: 1998-07-02
47 PRIOR APPLICATION NUMBER: 60/091626
48 PRIOR FILING DATE: 1998-07-02
49 PRIOR APPLICATION NUMBER: 60/091633
50 PRIOR FILING DATE: 1998-07-02
51 PRIOR APPLICATION NUMBER: 60/091978
52 PRIOR FILING DATE: 1998-07-07
53 PRIOR APPLICATION NUMBER: 60/091982
54 PRIOR FILING DATE: 1998-07-07
55 PRIOR APPLICATION NUMBER: 60/092182
56 PRIOR FILING DATE: 1998-07-09

Query Match 19.6%; Score 239.5; DB 9; Length 215;
Best Local Similarity 30.5%; Pred. No. 2.2e-13;
Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;
Oy 5 GAAGSRGCAFLPLLGLVFFQGYIVFSLERADAHVRGVGKIKIKCTFKTSVDYDKL 64
Db 3 GKSSR--AVLLLLGIQ-LTALWPIAAVEIYTSKRVLEAVNGTDLARLCTFSSFPVGDAL 59
Oy 65 TIDWTRPPSSSHVTSIFHIHQSFQYPTTAGTFRDRISLVGNVYKGDASISISNPTIKDG 124
Db 60 TVTWNRPLDGGPEQVFVYHIDPQPMGRKDRVSDGNPERYDASILLMKLQDDNG 119
Oy 125 TSCAVKNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSAYV 173
Db 120 TYTCOVKNPDVGVGTVGEIRLSVHVTVRFSEIHFLAIAIG---SACALMIIVI----VV 172

Oy 174 VALLVRMRKRAAGL-----KKRSRGYKYSKSSIEVSDOTD 208
Db 173 VLFQHYRKKRAERAHAKVVEIKSKEERLNOEKKVSVYLEOTD 215
RESULT 11
US-09-989-735-389
Sequence 389, Application US/09989735
Publication No. US20020193299A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Geiber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C61
CURRENT APPLICATION NUMBER: US/09/989,735
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-06-04

1	PRIOR FILING DATE: 1998-06-22
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7	PRIOR FILING DATE: 1998-06-23
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11	PRIOR FILING DATE: 1998-06-24
12	PRIOR APPLICATION NUMBER: 60/090435
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25	PRIOR FILING DATE: 1998-06-24
26	PRIOR APPLICATION NUMBER: 60/090557
27	PRIOR FILING DATE: 1998-06-24
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31	PRIOR FILING DATE: 1998-06-25
32	PRIOR APPLICATION NUMBER: 60/090690
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34	PRIOR APPLICATION NUMBER: 60/090694
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36	PRIOR APPLICATION NUMBER: 60/090695
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38	PRIOR APPLICATION NUMBER: 60/090696
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43	PRIOR FILING DATE: 1998-06-26
44	PRIOR APPLICATION NUMBER: 60/091360
45	PRIOR FILING DATE: 1998-07-01
46	PRIOR APPLICATION NUMBER: 60/091478
47	PRIOR FILING DATE: 1998-07-02
48	PRIOR APPLICATION NUMBER: 60/091544
49	PRIOR FILING DATE: 1998-07-01
50	PRIOR APPLICATION NUMBER: 60/091519
51	PRIOR FILING DATE: 1998-07-02
52	PRIOR APPLICATION NUMBER: 60/091626
53	PRIOR FILING DATE: 1998-07-02
54	PRIOR APPLICATION NUMBER: 60/091633
55	PRIOR FILING DATE: 1998-07-02
56	PRIOR APPLICATION NUMBER: 60/091978
57	PRIOR FILING DATE: 1998-07-07
58	PRIOR APPLICATION NUMBER: 60/091982
59	PRIOR FILING DATE: 1998-07-07
60	PRIOR APPLICATION NUMBER: 60/092182
61	PRIOR FILING DATE: 1998-07-09

Query Match	19.6%	Score	239.5	DB	9	Length	215
Best Local Similarity	30.5%	Pred. No.	2.2e+13				
Matches	68	Conservative	33	Mismatches	93	Indels	29
						Gaps	6

QY	5	GAAGSGCCALFPLGLVFFQGVIVFSLEIADAHVRYVGEKIKLKCTFKSTSDVTDKL	64
		: : : : : : : : :	
Db	3	GASSTR-AVLLLLGQ-LTALWPIAAVEIVTSRVLEAVNGTDARLKCTFSSPAPGDAL	59
		: : : : : : : : :	

QY	65	TDWTVRPPSSSHVTSIFHYQSFQYPTTAGTFRDRIISWGNVYKGDASISISNPTIKDNC	124
		: : : : : : : :	
Db	60	TVTNKRPDLGGPEQVEFYTHIDPQMSGFRKQSWDGNPKRYDASILLKWLQFDQNG	119
		: : : : : : : :	

Oy 125 TFSKAVKNPPDVH-----HNIPMTELTVTERGFGTMLSVALLSILVFPVSAV 173
I:| | | | | I:| | | | | I:| | | | | I:| | | | |
Db 120 TYTCOVKNPPDOVGIVGEIRLSVVHTRFSETHFLALAIG---SACALMIIVI-----V 172
Oy 174 VALLVRMGRKAAGL-----KRSRSGYKSSIEVSDOTD 208
I:| | | | | I:| | | | | I:| | | | | I:| | | | |
Db 173 VLFQYRKRKRAHRAHKVVEIKSFEERLNQEKVSVYLEDTD 215

RESULT 12

US-09-990-444-389
; Sequence 389, Application US/09990444
; Publication No. US20020193300A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Nepier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C19
; CURRENT APPLICATION NUMBER: US/09/990,444
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
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; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021

; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088026
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089908
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
; PRIOR APPLICATION NUMBER: 60/089948
; PRIOR FILING DATE: 1998-06-19

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2	PRIOR FILING DATE: 1998-06-19	
2	PRIOR APPLICATION NUMBER: 60/089948	
2	PRIOR FILING DATE: 1998-06-19	
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2	PRIOR FILING DATE: 1998-06-23	
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2	PRIOR APPLICATION NUMBER: 60/090435	
2	PRIOR FILING DATE: 1998-06-24	
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2	PRIOR APPLICATION NUMBER: 60/090696	
2	PRIOR FILING DATE: 1998-06-25	
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2	PRIOR FILING DATE: 1998-07-01	
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2	PRIOR FILING DATE: 1998-07-02	
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2	PRIOR APPLICATION NUMBER: 60/091633	
2	PRIOR FILING DATE: 1998-07-02	
2	PRIOR APPLICATION NUMBER: 60/091978	
2	PRIOR FILING DATE: 1998-07-07	
2	PRIOR APPLICATION NUMBER: 60/091982	
2	PRIOR FILING DATE: 1998-07-07	
2	PRIOR APPLICATION NUMBER: 60/092182	
2	PRIOR FILING DATE: 1998-07-09	

19.68; Score 239.5; DB 9; length 215;

PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
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PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089600
PRIOR FILING DATE: 1998-06-17
PRIOR APPLICATION NUMBER: 60/089653
PRIOR FILING DATE: 1998-06-17

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; PRIOR APPLICATION NUMBER: 60/089801
; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089907
; PRIOR FILING DATE: 1998-06-18
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; PRIOR FILING DATE: 1998-06-18
; PRIOR APPLICATION NUMBER: 60/089947
; PRIOR FILING DATE: 1998-06-19
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; PRIOR FILING DATE: 1998-06-24
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; PRIOR APPLICATION NUMBER: 60/090435
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; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090472
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      19.6%  Score 239.5; DB 9; Length 215;
Best Local Similarity 30.5%; Pred. No. 2.2e-13;
Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

Oy 5 GAAGSRGCAFPLLGVLFFQGVYIVFSLERADAHVGVGKIKLKCTFEKSTSDVTUKL 64
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 3 GKSSTR--AVLLLLGIG-LTALWPIAAVELYTSRLEAVNGTAKIKCTFSSFAPVGDAL 59
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy 65 TIDWTYRPPSSSHTVSIFHYQSFOYPTTAGTRDRISWGVNYSKGDASISISNPTJKDNG 124
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 60 TVTNWFRPLDGGPEOFVYFHIDPQPMGSRGPKDRVNDGNERVDASILLKLOFDONG 119
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy 125 TFSCAVKNPPDVH-----HNPWTELTVTTERGCTMLSSVALLSILVFPVSADV 173
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 120 TYTCQVKNPPDVGIVGEIRLSVWHTVRFSEIHFLLALATG---SACALMIIIVI----VV 172
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Oy 174 VALLLVRMGRKAAGL-----KKRSRGYKKSSTIEVSDDTD 208
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 173 VLFQHYRKRWAERAHKVVVEIKSKEERLUNQEKVSVILEDDTD 215
   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESULT 15
US-09-991-181-389
; Sequence 389, Application US/09991181
; Publication No. US20020197615A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Bolstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C53
; CURRENT APPLICATION NUMBER: US/09/991.181
; CURRENT FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20

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: PRIOR APPLICATION NUMBER: 60/091633
 : PRIOR FILING DATE: 1998-07-02
 : PRIOR APPLICATION NUMBER: 60/091978
 : PRIOR FILING DATE: 1998-07-07
 : PRIOR APPLICATION NUMBER: 60/091982
 : PRIOR FILING DATE: 1998-07-07
 : PRIOR APPLICATION NUMBER: 60/092182
 : PRIOR FILING DATE: 1998-07-09

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Query Match      19.6%; Score 239.5; DB 9; Length 215;
Best Local Similarity 30.5%; Pred. No. 2.2e-13;
Matches 66; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

Qy 5 GAAGSRGCAFLPLGLVGLFOGVYIVFSLEIRADAHVRCYVGKEIKLKCTFKSTSDVTDKL 64
    | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 3 GKSSTR--AVLLGLIGI-LFALWPIAAVEIYTSRVLEAVNGTDARLCKTSSFPAPGDAL 59

Qy 65 TIDWYTRPPSSSHYTSFHQSYFOYPTTAGTFRDRISWGVNYYKGDAISISNPTIKDNG 124
    | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
~b 60 TVTNWFRPLDGGQEQFVYYHIDPFGPMGRFKDVRSDWGNPERYDASILLWKLQFDONG 119

/ 125 TFCSAVNKPPDVH-----HNIPMTLETVTGRCFGTLMSSVALLSLTVFVPSAVV 173
    | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 120 TYTCQVKNPPDVGVGEIRLSVVHTVRFSEIHLALAIG---SACALMIIVI-----VV 172

Qy 174 VALLVRMGRKAAGL-----KKRSRGYKKKSIEVSDDTD 208
    | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 173 VLFQHYRKKWAERAHKVKVEIKSKEEERLNQEKRVSVYLEDTD 215

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Search completed: March 19, 2003, 11:34:39
Job time : 17 secs


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US-10-227-884-237
: Sequence 237, Application US/10227884
: Publication No. US20030027988A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Desnoyers, Luc
: APPLICANT: Gerritsen, Mary
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, J. Christopher
: APPLICANT: Gurney, Victoria L.
: APPLICANT: Smith, Victoria
: APPLICANT: Stephan, Jean-Philippe F.
: APPLICANT: Watanabe, Colin L.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: SECRETED AND TRANSFERRED
: FILE OF INVENTION: ACIDS ENCODING
: FILE REFERENCE: P3530PIC79
: CURRENT APPLICATION NUMBER: US/10/227884
: CURRENT FILING DATE: 2002-08-26
: PRIOR APPLICATION NUMBER: 10/119,480
: PRIOR FILING DATE: 2002-04-09
: PRIOR APPLICATION NUMBER: 60/059113
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/062287
: PRIOR FILING DATE: 1997-10-17
: PRIOR APPLICATION NUMBER: 60/063549
: PRIOR FILING DATE: 1997-10-28
: PRIOR APPLICATION NUMBER: 60/064103
: PRIOR FILING DATE: 1997-10-31
: PRIOR APPLICATION NUMBER: 60/069873
: PRIOR FILING DATE: 1997-12-17
: PRIOR APPLICATION NUMBER: 60/078910
: PRIOR FILING DATE: 1998-03-20
: PRIOR APPLICATION NUMBER: 60/079294
: PRIOR FILING DATE: 1998-03-25
: PRIOR APPLICATION NUMBER: 60/079656
: PRIOR FILING DATE: 1998-03-26
: PRIOR APPLICATION NUMBER: 60/079728
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: 60/081819
: PRIOR FILING DATE: 1998-04-15

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1	PRIOR FILING DATE: 1998-09-25
2	PRIOR APPLICATION NUMBER: 60/101916
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6	PRIOR APPLICATION NUMBER: 60/106178
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8	PRIOR APPLICATION NUMBER: 60/106248
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10	PRIOR APPLICATION NUMBER: 60/106464
11	PRIOR FILING DATE: 1998-10-30
12	PRIOR APPLICATION NUMBER: 60/106905
13	PRIOR FILING DATE: 1998-11-03
14	PRIOR APPLICATION NUMBER: 60/108787
15	PRIOR FILING DATE: 1998-11-17
16	PRIOR APPLICATION NUMBER: 60/108801
17	PRIOR FILING DATE: 1998-11-17
18	PRIOR APPLICATION NUMBER: 60/108849
19	PRIOR FILING DATE: 1998-11-18
20	PRIOR APPLICATION NUMBER: 60/112422
21	PRIOR FILING DATE: 1998-12-15
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23	PRIOR FILING DATE: 1998-12-22
24	PRIOR APPLICATION NUMBER: 60/113605
25	PRIOR FILING DATE: 1998-12-23
26	PRIOR APPLICATION NUMBER: 60/113621
27	PRIOR FILING DATE: 1998-12-23
28	PRIOR APPLICATION NUMBER: 60/115558
29	PRIOR FILING DATE: 1999-01-12
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35	PRIOR FILING DATE: 1999-02-10
36	PRIOR APPLICATION NUMBER: 60/123618
37	PRIOR FILING DATE: 1999-03-10
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40	PRIOR APPLICATION NUMBER: 60/125775
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52	PRIOR APPLICATION NUMBER: 60/131291
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55	PRIOR FILING DATE: 1999-04-28
56	PRIOR APPLICATION NUMBER: 60/134287
57	PRIOR FILING DATE: 1999-05-14
58	PRIOR APPLICATION NUMBER: 60/140650
59	PRIOR FILING DATE: 1999-06-22
60	PRIOR APPLICATION NUMBER: 60/140723
61	PRIOR FILING DATE: 1999-06-22
62	PRIOR APPLICATION NUMBER: 60/141037
63	PRIOR FILING DATE: 1999-06-23
64	PRIOR APPLICATION NUMBER: 60/144758
65	PRIOR FILING DATE: 1999-07-20
66	PRIOR APPLICATION NUMBER: 60/145698
67	PRIOR FILING DATE: 1999-07-26
68	PRIOR APPLICATION NUMBER: 60/146222
69	PRIOR FILING DATE: 1999-07-28
70	PRIOR APPLICATION NUMBER: 60/146963
71	PRIOR FILING DATE: 1999-08-03
72	PRIOR APPLICATION NUMBER: 60/149320
73	PRIOR FILING DATE: 1999-08-17

; PRIOR APPLICATION NUMBER: 60/089905
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/090472
 ; PRIOR FILING DATE: 1998-06-24
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 ; PRIOR FILING DATE: 1999-11-16
 ; PRIOR APPLICATION NUMBER: 60/169445
 ; PRIOR FILING DATE: 1999-12-07
 ; PRIOR APPLICATION NUMBER: 60/169495
 ; PRIOR FILING DATE: 1999-12-07
 ; PRIOR APPLICATION NUMBER: 60/169835

Query Match 99.9%; Score 969; DB 9; Length 983;
 Best Local Similarity 100.0%; Pred. No. 3.Be-286;

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: Sequence 237, Application US/10218631
: Publication No. US20030045687A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Desnoyers, Luc
: APPLICANT: Gerritsen, Mary
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Grimaldi, J. Christopher
: APPLICANT: Gurney, Austin L.
: APPLICANT: Smith, Victoria
: APPLICANT: Stephan, Jean-Philippe F.
: APPLICANT: Watanabe, Colin L.
: APPLICANT: Wood, William I.
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: FILE REFERENCE: P3530PIC14
: CURRENT APPLICATION NUMBER: US/10/218,631
: PRIOR FILING DATE: 2002-08-12
: PRIOR APPLICATION NUMBER: 10/119,480
: PRIOR FILING DATE: 2002-04-09
: PRIOR APPLICATION NUMBER: 60/059113
: PRIOR FILING DATE: 1997-09-17
: PRIOR APPLICATION NUMBER: 60/062287
: PRIOR FILING DATE: 1997-10-17
: PRIOR APPLICATION NUMBER: 60/063549
: PRIOR FILING DATE: 1997-10-28
: PRIOR APPLICATION NUMBER: 60/064103
: PRIOR FILING DATE: 1997-10-31
: PRIOR APPLICATION NUMBER: 60/069873
: PRIOR FILING DATE: 1997-12-17
: PRIOR APPLICATION NUMBER: 60/078910
: PRIOR FILING DATE: 1998-03-20
: PRIOR APPLICATION NUMBER: 60/079294
: PRIOR FILING DATE: 1998-03-25
: PRIOR APPLICATION NUMBER: 60/079656
: PRIOR FILING DATE: 1998-03-26
: PRIOR APPLICATION NUMBER: 60/079728
: PRIOR FILING DATE: 1998-03-27
: Remaining Prior Application data removed - See File Wrapper or PALM.
: NUMBER OF SEQ ID NOS: 246
: SEQ ID NO 237
: LENGTH: 983
: TYPE: DNA
: ORGANISM: Homo Sapien
: US-10-218-631-237

Query Match          99.9%; Score 969; DB 9; length 983;
Best Local Similarity 100.0%; Pred. NO. 3.8e-286;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps

Qy 1 GGATGCAGCAGACAGAGGAGCAGCTGGAAAGCGTGGCTGCGCTCTCTTCCCTCTGCTTGGCGG 60
   |||||
Db 1 GGATGCAGCAGACAGAGGAGCAGCTGGAAAGCGTGGCTGCGCTCTCTTCCCTCTGCTTGGCGG 60
   |||||

Qy 61 TCCTGTCTTCCAGGGTGTTTATATCGTCTCTTTTCCCTTGGAGATTCCTGCAGATGCCCATG 120
   |||||
Db 61 TCCTGTCTTCCAGGGTGTTTATATCGTCTCTTTTCCCTTGGAGATTCCTGCAGATGCCCATG 120
   |||||

Qy 121 TCCGAGGTTATGTTGGAGAAAAAGATCAAGTTGAAATGCACCTTTCAGCTCAACTTCAGATG 180
   |||||
Db 121 TCCGAGGTTATGTTGGAGAAAAAGATCAAGTTGAAATGCACCTTTCAGCTCAACTTCAGATG 180
   |||||

Qy 181 TCACGTGACAGCTTTACTATAGACTGGACATATCGCCCTCCACAGCAGCCACACAGATAT 240
   |||||
Db 181 TCACGTGACAGCTTTACTATAGACTGGACATATCGCCCTCCACAGCAGCCACACAGATAT 240
   |||||

Qy 241 CAATATTTCATTTATCACTCTTTTCCAGTACCACACACAGCAGGCACATTTTCGGGATCGGA 300
   |||||
Db 241 CAATATTTCATTTATCACTCTTTTCCAGTACCACACACAGCAGGCACATTTTCGGGATCGGA 300
   |||||

Qy 301 TTTCTCTGGGTGGAAATGTATACAAAGGGGATCATCTATTAAGTATTAAAGCAACCCCTTACCA 360
   |||||

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301	TTTCTCGGGTTGGAAATGTATACAAAGGGGATGCATCTATTAAGTATAAGCAACCCCTACCA	360
361	TAAAGACAAATGGGACATTCAGCTCTGCTGTGAAGAAATCCCACAGATGTGCACCAATAATA	420
361	TAAAGACAAATGGGACATTCAGCTGTGCTGTGAAGAAATCCCACAGATGTGCACCAATAATA	420
421	TTCCCATGACAGAGCTTAACAGTCCACAGAAAGGGGTTTTGGCACCATGCTTTCCTCTGTGG	480
421	TTCCCATGACAGAGCTTAACAGTCCACAGAAAGGGGTTTTGGCACCATGCTTTCCTCTGTGG	480
481	CCCTTCTTCCATCTTGTCTTTGTGCCCCCTCAGCCCTGGTGGTTGCTCTGCTGCTGGTCA	540
481	CCCTTCTTCCATCTTGTCTTTGTGCCCCCTCAGCCCTGGTGGTTGCTCTGCTGCTGGTGA	540
541	GAATGGGGAGGAAGGCTGTGGGCTGAAGAAGAGGAGCAGGTCTGGCTATAAGAAGTCAAT	600
541	GAATGGGGAGGAAGGCTGTGGGCTGAAGAAGAGGAGCAGGTCTGGCTATAAGAAGTCAAT	600
601	CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGCAAGGCGTGTATGGCGAGGCTTT	660
601	CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGCAAGGCGTGTATGGCGAGGCTTT	660
661	GTGTCCGTTGCGTGTGAGTGGCTTGGATTCAGACTATTAAGAGACATATTGATGAAAGTCTG	720
661	GTGTCCGTTGCGTGTGAGTGGCTTGGATTCAGACTATTAAGAGACATATTGATGAAAGTCTG	720
721	TATGACACAAGAGAGTCACTTAAGACAGGAAACATTCCTACTGGCAGCTAAAGC	780
721	TATGACACAAGAGAGTCACTTAAGACAGGAAACATTCCTACTGGCAGCTAAAGC	780
781	CTGTACAGAAAGTGGAGCTGGGCTGGACCATAGCCATGGACAATCCTGGAGATCATCAG	840
781	CTGTACAGAAAGTGGAGCTGGGCTGGACCATAGCCATGGACAATCCTGGAGATCATCAG	840
841	TAAAGACTTTTGAAGAACCTTATTTATTTGAATAAATGTTGTTGTTGTTATTTATAAAGTCT	900
841	TAAAGACTTTTGAAGAACCTTATTTATTTGAATAAATGTTGTTGTTGTTATTTATAAAGTCT	900
901	TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTTCAATGAATTTATGCTCTTAATTGAA	960
901	TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTTTCAATGAATTTATGCTCTTAATTGAA	960
961	TGAAGAAAT	969
961		
	TGAAGAAAT	969

RESULT 5

; Sequence 237, Application US/10230338
 ; Publication No. US20030044934A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Gerritsen, Mary
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Stephan, Jean-Philippe F.
 ; APPLICANT: Watanabe, Colin L.
 ; APPLICANT: Wood, William I.
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; ACIDS ENCODING THE SAME
 ; FILE REFERENCE: P3530PIC92
 ; CURRENT APPLICATION NUMBER: US/10/230,338
 ; CURRENT FILING DATE: 2002-08-28
 ; PRIOR APPLICATION NUMBER: 10/119,480
 ; PRIOR FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 60/059113
 ; PRIOR FILING DATE: 1997-09-17
 ; PRIOR APPLICATION NUMBER: 60/062287

Dbb 661 GTGTCCGTTGCGCTGAGTCCCTGGATTCAGACTATGAAGAGACATATTGATGAAGTCTG 720
Qy 721 TATGACACAAGAGTCACTTAAGACAGAGAAACATCCATTCCACTGGCAGCTAAAGC 780
Dbb 721 TATGACACAAGAGTCACTTAAGACAGAGAAACATCCATTCCACTGGCAGCTAAAGC 780
Qy 781 CTGTCAGAGAAAGTGGAGCTGGCCCTGGACCATAGGAGTGAAGCAATCTGGAGATCATAG 840
Dbb 781 CTGTCAGAGAAAGTGGAGCTGGCCCTGGACCATAGGAGTGAAGCAATCTGGAGATCATAG 840
Qy 841 TAAAGACTTTAGAACCACTTATTATGAATAAATGTTCTTGTGTTATTAATACTCT 900
Dbb 841 TAAAGACTTTAGAACCACTTATTATGAATAAATGTTCTTGTGTTATTAATACTCT 900
Qy 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTCAATGAATATATCTGTAATTGAA 960
Dbb 901 TCAGGAAGTCTCATAGAGACTCATGACTTCCCTTCAATGAATATATCTGTAATTGAA 960
Qy 961 TGAAGAAAT 969
Dbb 961 TGAAGAAAT 969

RESULT 6

US-09-764-853-211

; Sequence 211, Application US/09764853
; Patent No. US2002009672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PJ206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 211

; LENGTH: 3802

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-764-853-211

Query Match 83.0%; Score 805.2; DB 10; Length 3802;
Best Local Similarity 99.6%; Pred. No. 1.le-235;
Matches 807; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 160 CTTTCAAGTCAACTTCAGATGTCACTGACAACTTACTATAGACTGGACATATCGCCCTC 219
2 CTTTCAAGTCAACTTCAGATGTCACTGACAACTTACTATAGACTGGACATATCGCCCTC 61
Qy 220 CCAGCAGCAGCCACAGATATCAATATTTTCAATATCAGTCTTTCCAGTACCCCAACACAG 279
Dbb 62 CCAGCAGCAGCCACAGATATCAATATTTTCAATATCAGTCTTTCCAGTACCCCAACACAG 121
Qy 280 CAGGCACATTTCCGGATCGGATTTCTCGGTTGGAATATATCAAGAGGGATGCATCTA 339
Dbb 122 CAGGCACATTTCCGGATCGGATTTCTCGGTTGGAATATATCAAGAGGGATGCATCTA 181
Qy 340 TAAGTATAAGCAACCTTACCAATAAGGACAATGGGACATTCAGCTGTGCTGTGAAGATC 399
Dbb 182 TAAGTATAAGCAACCTTACCAATAAGGACAATGGGACATTCAGCTGTGCTGTGAAGATC 241
Qy 400 CCCAGATGTGACCATTAATATTTCCCATGACAGCTAACAGTACAGAAAGGGTTTGG 459
Dbb 242 CCCAGATGTGACCATTAATATTTCCCATGACAGCTAACAGTACAGAAAGGGTTTGG 301
Qy 460 GCACCATGCTTCTCTGTGGCCCTTCTTCCATCTCTTCTGTGCTGCTGCTGCTGCTG 519
Dbb 302 GCACCATGCTTCTCTGTGGCCCTTCTTCCATCTCTTCTGTGCTGCTGCTGCTGCTG 361
Qy 520 TGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 579
Dbb 362 TGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 421

Qy 580 GGTTCTGGCTATAAGAGTCACTATTTAGGTTTCCGATGACACTGATCAGGAGGAGGAG 639
Dbb 422 GGTTCTGGCTATAAGAGTCACTATTTAGGTTTCCGATGACACTGATCAGGAGGAGGAG 481
Qy 640 AGGCTGTATGGCGAGGCTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 699
Dbb 482 AGGCTGTATGGCGAGGCTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 541
Qy 700 AGACATATTTCAATGAAGTCTGATGACACAAGAGTCACTTAAGACAGGAGAAACATCC 759
Dbb 542 AGACATATTTCAATGAAGTCTGATGACACAAGAGTCACTTAAGACAGGAGAAACATCC 601
Qy 760 CATTCACCTGGCAGCTTAAAGCCTGTGAGAGAAAGTGGAGCTGGCCCTGGACCATAGGATG 819
Dbb 602 CATTCACCTGGCAGCTTAAAGCCTGTGAGAGAAAGTGGAGCTGGCCCTGGACCATAGGATG 661
Qy 820 GACAATCTGGAGATCATCAGTAAAGACTTTAGGAACCACTTATTTATTTGAATAATGTT 879
Dbb 662 GACAATCTGGAGATCATCAGTAAAGACTTTAGGAACCACTTATTTATTTGAATAATGTT 721
Qy 880 CTTGTTGTTATTTATAAAGTCTTCAAGAGCTCTCATAAGAGACTCATGACTTCCCTTTTCA 939
Dbb 722 CTTGTTGTTATTTATAAAGTCTTCAAGAGCTCTCATAAGAGACTCATGACTTCCCTTTTCA 781
Qy 940 ATGAATATCTGCTGAATTAATGAAGAAAT 969
Dbb 782 ATGAATATCTGCTGAATTAATGAAGAAAT 811

RESULT 7

US-09-764-853-393

; Sequence 393, Application US/09764853

; Patent No. US2002009672A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PJ206

; CURRENT APPLICATION NUMBER: US/09/764,853

; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - consult PALM or file wrapper

; NUMBER OF SEQ ID NOS: 939

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 393

; LENGTH: 836

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: SITE

; LOCATION: (760)

; OTHER INFORMATION: n equals a,t,g, or c

US-09-764-853-393

Query Match 68.6%; Score 665.2; DB 10; Length 836;
Best Local Similarity 97.0%; Pred. No. 3.le-193;
Matches 705; Conservative 4; Mismatches 13; Indels 5; Gaps 3;

Qy 152 GAATGTCACCTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATATAGACTGGACATA 211
Dbb 100 GAATGTCACCTTTCAAGTCAACTTCAGATGTCACTGACAAAGCTTACTATATAGACTGGACATA 159
Qy 212 TCGCCCTCCAGCAGCAGCCACAGTATCAATATTTCAATTTTCAATTTTCAATTTTCAATTTT 271
Dbb 160 TCGCCCTCCAGCAGCAGCCACAGTATCAATATTTCAATTTTCAATTTTCAATTTTCAATTTT 219
Qy 272 AACACAGCAGCAGCAGCTTCGGGATCGGATTTCCCTGGGTTGGAAATGTATACAAAGGGA 331
Dbb 220 AACACAGCAGCAGCAGCTTCGGGATCGGATTTCCCTGGGTTGGAAATGTATACAAAGGGA 278
Qy 332 TGCATCTATAAGTATAAGCAACCTTACCATAAAGGACAATGGGACATTCAGCTGTGCTGT 391
Dbb 279 TGCATCTATAAGTATAAGCAACCTTACCATAAAGGACAATGGGACATTCAGCTGTGCTGT 338

; PRIOR APPLICATION NUMBER: 60/088025
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 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088033
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088326
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: 60/088167
 ; PRIOR FILING DATE: 1998-06-05
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 ; PRIOR FILING DATE: 1998-07-09

Query Match 6.9%; Score 67.4; DB 9; Length 1371;

Best Local Similarity 53.6%; Pred. No. 3.4e-10;

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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301C66
; CURRENT APPLICATION NUMBER: US/09/989, 293A
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QY 329 GGATGCATCTATAGTATAAGCAACCTACCATAAAGAGCAATGGGACATTCAGCTGTGC 388
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QY 389 TGTGAAGAAATCCCCAGATCT 409
Db 492 GGTGAAGAACCCACCTCATGT 512

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; APPLICANT: Zhang, Zemin
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; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          6.9%;   Score 67.4;   DB 9;   Length 1371;
Best Local Similarity 53.6%;   Pred. No. 3.4e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps

QY  149 GTTGAATGCACCTTCCAAGTCAACTTCAGATGTCAGTGCACAAAGCTACTATAGACTGGAC 208
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   252 GTTAAATAGCACCTTCTCCAGCTTTGCCCTCTGGGTGATGCTCTAACAGTGAACCTGGAA 311

QY  209 ATATCGCCCTCCAGCAGCAGCCACACAGTATCAATATTTTCATTATTCAGTCTTCCAGTA 268
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   312 TTTTCGTCCTAGACGGGGGACCTGAGCAGTTTGTGATTCTACTACCACATAGATCCCTT 371

QY  269 CCACACACAGCAGCCACATTTCCGGATCCGGATTTCCCTGGTGGAAATGTATACAAAG 328
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   372 CCACCCATGAGTGGGCGGTTTTAAGACCGGGTCTCTGGGATGGGAAATCTCGAGCGGTA 431

QY  329 GGATGATCTTATAAGTATAGCAACCTACCATAAAGGACAAATGGGACATTCAGCTGTGC 388
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db   432 CGATGCTCCATCCTCTCTGGAACTGCAGTTCGAGCAATGGGACATACACACTGCCA 491

QY  389 TGTGAAGAATCCCCAGATGT 409
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Db   492 GGTGAAGAACCCACCTGATGT 512
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RESULT 13
US-09-989-730-388
Sequence 388, Application US/09989730
Publication No. US20020197674A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavlin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC69
CURRENT APPLICATION NUMBER: US/09/989,730
PRIORITY FILING DATE: 2001-11-20
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 6.9%; Score 67.4; DB 9; Length 1371;
Best Local Similarity 53.6%; Pred. No. 3.4e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY -149 GTTGAATGCACTTTCAAGTCAACTTCAGATGTCACGACGCTTACTATAGACTGGAC 208
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 252 GTTAAATGCACTTTCTCCAGCTTTTGCCTCTGTGGTGATGCTTAACAGCTGACCTGGAA 311
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 209 ATATCGCCCTCCAGCAGCAGCAGCAGATATCAATATTTTCATATATCAGTCTTTCCAGTA 268
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 312 TTTTCGCTCTTAGAGCGGGGAGCTTGAGCAGTGTGTTGTTACTATACACATAGATCCCTT 371
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QY 269 CCCAACCAAGCAGCAGCAGCAGATTTCCGGATCGGATTTCTGGTGGAAATGTATACAAAGG 328
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Db 372 CCAACCATGATGAGTGGCGGTTTAAAGCAGCGGTCTCTGGGATGGGAATCCTGAGCGGTA 431
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 329 GGATGATCATATAGTATAGCAACCCCTACCATAAAGGACAAATGGGACATTCAGCTGTGC 388
 ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 432 CGATGCTCTCATCTCTCTGGAACCTGCAGCTTCGACGACAATGGGACATACACCTTGCCA 491
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QY 389 TGTGAAGAAATCCCCCAGATCT 409
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Db 492 GGTGAAGAACCCACCTGTATGT 512
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RESULT 14
US-09-990-436-388
; Sequence 388, Application US/09990436
; Publication No. US20020198148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerltsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC14
; CURRENT APPLICATION NUMBER: US/09/990,436
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 6.9%; Score 67.4; DB 9; Length 1371;

Best Local Similarity 53.6%; Pred. No. 3.4e-10;

Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

Qy 149 GTTCAARTGCACCTTCAAGTCAACTTCAGATGTCACATGCTTACTAGACTGCAC 208
Db 252 GTTAAATGCACCTTCTCCAGCTTTGGCCCTGCTCTAACAGTGCCTGGAA 311
Qy 209 ATATCGCCCTCCAGCAGCAGCCACACAGTATCAATATTTTCATTATCAGTCTTTCCAGTA 268
Db 312 TTTTCGCTCTAGACGGGGACCTGACGCTTTGTATTCTTACTACCACATAGATCCCTT 371
Qy 269 CCCAACACACGACGACATTTTCGGATTCGGATTCCTGGTTGGAATGTATACAAGG 328
Db 372 CCAACCCATAGTGGGGGTTTAAAGGACCGGCTCTTTGGGATGGGAATCTGACCGGTA 431
Qy 329 GGATGCTCTATAAGTATAAGCAACCTTACCATAAGACCAATGGACATTCAGCTGTCG 388
Db 432 CGATGCTCTCCATCTCTCTGGAACTGCAGTTCGACGCAATGGGACATACACCTGCA 491
Qy 389 TGTGAAGAATCCCCAGATGT 409
Db 492 GGTGAAGAACCCACCTGATGT 512

RESULT 15

US-09-991-181-388

; Sequence 388, Application US/09991181

; Publication No. US20020197615A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavio, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C53
CURRENT APPLICATION NUMBER: US/09/991,181
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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PRIOR FILING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/066770
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Db	312	TTTTCGCTCT	TAGACGGGGACCTGAGCAGTTTGTTATTCTACTACCACATAGATCCCTT	371	
Qy	269	CCCAACGACAG	CAGCAGCAGCAGTATTTCCGGATTCGGGTTTGGAAATGTATACAAAGG	328	
Db	372	CCAAACCAATG	ATGCGCGGTTTAAAGACCGGGTCTTTGGGATGGGAATCCTGAGCGGTA	431	
Qy	329	GGATGATCTAT	AAGTATAGCAACCTTACCATAAGGACAATGGGACATTCAGCTGTGC	388	
Db	432	CGATGCTCCT	CTCTCTGGAACTGCAGTTTCGACGACAATGGGACATACACCTGCCA	491	
Qy	389	TGTGAAGATCC	CCCCAGATGT	409	
Db	492	GGTGAAGAAC	CCCCACCTGATGT	512	

Search completed: March 17, 2003, 10:32:25

GenCore version 5.1.4_p5_4578
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OM protein - protein search, using sw model

Run on: March 19, 2003, 11:21:17 ; Search time 37 Seconds
(without alignments)
846.322 Million cell updates/sec

Title: US-10-009-328-41

Perfect score: 1220
Sequence: 1 MQORCAAGSRCAFLPLGV.....MARLCVRCACGLSDYEET 235

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 908470 seqs, 133250620 residues

Total number of hits satisfying chosen parameters: 908470

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : A_Geneseq_101002.*

Rank	ID	Score	Length	Description
1	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1980.DAT.*	1220	100.0	Human PRO7425 prot
2	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1981.DAT.*	1220	100.0	Human transport pr
3	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1982.DAT.*	1220	100.0	Human PRO protein,
4	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1983.DAT.*	947	77.6	Human CDNA SEQ ID
5	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1984.DAT.*	947	77.6	Human immunoglobul
6	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1985.DAT.*	677	55.5	Human CDNA SEQ ID
7	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1986.DAT.*	677	55.5	Human immunoglobul
8	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1987.DAT.*	677	55.5	Human 5' EST seque
9	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1988.DAT.*	358	29.3	Human 5' EST seque
10	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA1989.DAT.*	272	22.3	Human myelin prote
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23	/SIDS1/gcgdata/geneseq/geneseq-emb1/AA2002.DAT.*			

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1220	100.0	235	22 AAY72879	Human PRO7425 prot
2	1220	100.0	235	22 AAB60121	Human transport pr
3	1220	100.0	235	23 AAU83710	Human PRO protein,
4	947	77.6	183	22 ABB10323	Human CDNA SEQ ID
5	947	77.2	208	22 ABB11797	Human immunoglobul
6	677	55.5	173	22 ABB10505	Human CDNA SEQ ID
7	677	55.5	173	22 AAU18059	Human immunoglobul
8	500	41.0	96	20 AAY11831	Human 5' EST seque
9	358	29.3	70	20 AAY11619	Human 5' EST seque
10	272	22.3	258	23 AAM52696	Human myelin prote

11	247	20.2	248	18 AAW94567	Mouse major periph
12	239.5	19.6	215	20 AAY41673	Human channel-rela
13	239.5	19.6	215	21 AAB33448	Human PRO1192 prot
14	239.5	19.6	215	21 AAY66752	Membrane-bound pro
15	239.5	19.6	215	22 AAB12415	Human PRO1192 poly
16	239.5	19.6	215	22 AAB65275	Human PRO1192 (UNQ
17	239.5	19.6	215	23 AUB95515	Human anglogenesis
18	239.5	19.6	215	23 ABB84909	Human PRO1192 prot
19	239.5	19.6	215	23 AAU83675	Human PRO protein,
20	235.5	19.3	119	21 AAB36032	Rat myelin P0 prot
21	230	18.9	269	21 AAY99445	Human PRO1787 (UNQ
22	230	18.9	269	22 AAB66194	Protein of the inv
23	230	18.9	269	23 AAU80191	Human protein zero
24	230	18.9	269	23 AAU80192	Human protein zero
25	230	18.9	269	23 AAU80193	Human protein zero
26	230	18.9	269	23 AAU80194	Human protein zero
27	230	18.9	269	23 AAU80216	Human protein zero
28	230	18.9	269	23 AAU80217	Human protein zero
29	230	18.9	269	23 AAU80218	Human protein zero
30	230	18.9	269	23 ABB95548	Human anglogenesis
31	230	18.9	269	23 ABB84942	Human PRO1787 prot
32	229	18.8	209	21 AAY94998	Human secreted pro
33	229	18.8	209	23 AAU80199	Human protein zero
34	229	18.8	209	23 AAU80200	Human protein zero
35	229	18.8	209	23 AAU80201	Human protein zero
36	229	18.8	209	23 AAU80202	Human protein zero
37	228.5	18.7	199	23 AAU80211	Human protein zero
38	228.5	18.7	199	23 AAU80212	Human protein zero
39	228.5	18.7	199	23 AAU80213	Human protein zero
40	228.5	18.7	199	23 AAU80214	Human protein zero
41	226	18.5	269	22 AAU12436	Human PRO1787 poly
42	219	18.0	270	23 AAU80203	Mouse protein zero
43	219	18.0	270	23 AAU80205	Mouse protein zero
44	218.5	17.9	159	23 AAU80207	Human protein zero
45	218.5	17.9	159	23 AAU80208	Human protein zero

ALIGNMENTS

RESULT 1

AAV72879

ID AAY72879 standard; Protein; 235 AA.

AC AAY72879;

XX

DT 31-MAY-2001 (first entry)

DE Human PRO7425 protein encoded by DNA108792-2753 cDNA clone.

XX

Human; PRO7425; antiinflammatory; dermatological; immunosuppressive; antirheumatic; antiarthritic; osteopathic; antianaemic; haemostatic; antithyroid; antidiabetic; antiviral; antipsoriatic; antiallergic; antialsthmic; inhibitor; therapy; systemic lupus erythematosus; spondyloarthopathy; systemic sclerosis; systemic vasculitis; sarcoidosis; idiopathic inflammatory myopathy; Sjogren's syndrome; autoimmune thrombocytopenia; immune-mediated renal disease; hepatitis; demyelinating polyneuropathy; Guillain-Barre syndrome; Whipple's disease; hepatobiliary disease; primary biliary cirrhosis; sclerosing cholangitis; inflammatory bowel disease; gluten-sensitive enteropathy; skin disease; allergic rhinitis; atopic dermatitis; food hypersensitivity; urticaria; eosinophilic pneumonia; hypersensitivity pneumonitis; graft rejection; idiopathic pulmonary fibrosis; graft-versus-host-disease.

XX Homo sapiens.

OS

XX

PH

FT

FT

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FT

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FT

FT

Location/Qualifiers
5.11
/note= "N-Myristoylation site"
8.14
/note= "N-Myristoylation site"
11.30
/label= Transmembrane_domain

FT Modified-site 63..171 /label= Tyrosine_kinase_phosphorylation_site
 FT Modified-site 123..127 /note= "Asn is N-glycosylated"
 FT Modified-site 124..130 /note= "N-Myristoylation site"
 FT Modified-site 153..159 /note= "N-Myristoylation site"
 FT Domain 157..177 /label= Transmembrane_domain
 FT Modified-site 181..185 /note= "Amidation_site"
 FT Modified-site 189..193 /note= "cAMP- and cGMP- dependent protein kinase phosphorylation site"
 FT Modified-site 197..201 /note= "cAMP- and cGMP- dependent protein kinase phosphorylation site"
 FT WO2001163119-A2
 FT 08-MAR-2001
 FT 23-AUG-2000; 2000WO-US233522
 FT 31-AUG-1999; 99US-0151733
 FT 01-SEP-1999; 99WO-US20111
 FT 16-DEC-1999; 99WO-US30095
 FT 18-FEB-2000; 2000WO-US04342
 FT 01-MAR-2000; 2000WO-US06601
 FT 30-MAR-2000; 2000WO-US08439
 FT 17-MAY-2000; 2000WO-US13705
 FT 22-MAY-2000; 2000WO-US14042
 FT 30-MAY-2000; 2000WO-US14941
 FT 05-JUN-2000; 2000US-0209832
 FT (GETH) GENENTECH INC.
 FT Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Tumas D;
 FT Watanabe CK, Wood WI;
 FT WPI: 2001-226690/23.
 FT N-PSDB; AAD02925.
 FT New PRO polypeptides for treating immune related and inflammatory
 FT diseases such as rheumatoid arthritis, systemic vasculitis, asthma,
 FT autoimmune hemolytic anemia, and diabetes mellitus
 FT Claim 10; Fig 12; 118pp; English.
 FT The present sequence is PRO7425 protein encoded by DNAL08792-2753 cDNA
 FT clone. PRO protein, its agonist or antagonist or its antibody which are
 FT capable of enhancing or inhibiting the proliferation of T-lymphocytes
 FT or of increasing the infiltration of inflammatory cells into a tissue
 FT are useful in the diagnosis and treatment of immune-related diseases
 FT in mammals. The PRO protein is useful for treating systemic lupus
 FT erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
 FT arthritis, spondyloarthritis, systemic sclerosis, idiopathic
 FT inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
 FT sarcoidosis, autoimmune hemolytic anaemia, autoimmune thrombocytopenia,
 FT thyroiditis, diabetes mellitus, immune-mediated renal disease,
 FT demyelinating disease of the central or peripheral nervous system,
 FT idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome,
 FT chronic inflammatory demyelinating polyneuropathy, hepatobiliary
 FT disease, infectious or autoimmune chronic active hepatitis, primary
 FT biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
 FT inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
 FT disease, autoimmune or immune-mediated skin diseases such as bullous
 FT skin disease, erythema multiforme and contact dermatitis, psoriasis,
 FT allergic diseases such as asthma, allergic rhinitis, atopic dermatitis,
 FT food hypersensitivity and urticaria, immunologic diseases of the lung
 FT such as eosinophilic pneumonias, idiopathic pulmonary fibrosis, hyper
 FT sensitivity pneumonitis, transplantation associated diseases such as

CC graft rejection or graft-versus-host-disease.
 XX SQ Sequence 235 AA;
 Query Match 100.0%; Score 1220; DB 22; Length 235;
 Best Local Similarity 100.0%; Pred. NO. 9.7e-104; Indels 0; Gaps 0;
 Matches 235; Conservative 0; Mismatches 0;
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 Qy 61 TDKLTIDWTYRPPSSSHTVSIFHYOSFOYPTTAGTFRDRISWGNVYKGDASISISNPTI 120
 Db 61 TDKLTIDWTYRPPSSSHTVSIFHYOSFOYPTTAGTFRDRISWGNVYKGDASISISNPTI 120
 Qy 121 KDNGTFCVAVKNPPDVHHNIPMTETVTTERGFGTMLSSVALLSILVFVPSAVVALLLVR 180
 Db 121 KDNGTFCVAVKNPPDVHHNIPMTETVTTERGFGTMLSSVALLSILVFVPSAVVALLLVR 180
 Qy 181 MGRKAAGLKKRSRGYKKSIEVSDDTDQEEECACMARLCVRCACLDSDYEET 235
 Db 181 MGRKAAGLKKRSRGYKKSIEVSDDTDQEEECACMARLCVRCACLDSDYEET 235
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 AAB60121
 ID AAB60121 standard; Protein: 235 AA.
 AC AAB60121;
 XX 28-MAR-2001 (first entry)
 DT Human transport protein Tppt-41.
 DE Human; transport protein; TPPT; transport disorder; metabolic disorder;
 KW neurological disorder; cardiovascular disorder; reproductive disorder;
 KW immune disorder; cancer.
 XX Homo sapiens.
 OS WO200078953-A2.
 PN 28-DEC-2000.
 XX 16-JUN-2000; 2000WO-US16668.
 PF 17-JUN-1999; 99US-0139923.
 PR 10-AUG-1999; 99US-0148177.
 PR 18-AUG-1999; 99US-0149357.
 PR 28-OCT-1999; 99US-0162287.
 XX (INCY-) INCYTE GENOMICS INC..
 PA Lal P, Yang J, Yue H, Hillman JL, Tang YT, Bandman O, Burford N;
 PI Baughn MR, Azimzai Y, Lu DAM, Au-Young J, Patterson C;
 XX WPI: 2001-041424/05.
 DR N-PSDB; AAF27741.
 XX Isolated polypeptide with a human transport protein sequence is useful
 PT for the diagnosis, prevention and treatment of disorders associated
 PT with the immune, reproductive and cardiovascular systems -
 XX Claim 2; Page 139-140; 165pp; English.
 CC The present invention provides the protein and coding sequences for 43
 CC novel human transport proteins (designated TPPTs). These can be used in
 CC the diagnosis and treatment of transport, metabolic, neurological,
 CC reproductive, cardiovascular and immune disorders, and cell proliferative
 CC disorders such as cancer.
 XX Sequence 235 AA;

PR 04-FEB-2000; 2000US-180628P.
PR 24-FEB-2000; 2000US-184664P.
PR 02-MAR-2000; 2000US-186350P.
PR 16-MAR-2000; 2000US-189874P.
PR 17-MAR-2000; 2000US-190076P.
PR 18-APR-2000; 2000US-198123P.
PR 19-MAY-2000; 2000US-205515P.
PR 07-JUN-2000; 2000US-209467P.
PR 28-JUN-2000; 2000US-214886P.
PR 30-JUN-2000; 2000US-215135P.
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PR 05-JAN-2001; 2001US-259678P.
XX
XX
(HUMA-) HUMAN GENOME SCI INC.
XX
PI Rosen CA, Barash SC, Ruben SM;
XX
DR WPJ; 2001-476161/51.
XX N-PSDB; ABA06545.
XX
PT Isolated nucleic acid molecule encoding an inflammation-associated
PT polypeptide is used in preventing, treating or ameliorating a medical
PT condition

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 PR 05-JAN-2001; 2001US-0259678.
 (HUMA-) HUMAN GENOME SCI INC.

PA Rosen CA, Barash SC, Ruben SM;
 XX WPI: 2001-457725/49.
 XX N-PSDB; AAS28785.

PT Isolated novel immunoglobulin polypeptide for monitoring the presence
 XX and progression of diseases and for diagnosis -

XX Claim 11; SEQ ID No 142; 551pp; English.

XX Sequences AAU17977-AAU18087 represent immunoglobulin polypeptides of the
 CC invention. The polypeptides and their associated polynucleotides can be
 CC used to diagnose a pathological condition or a susceptibility to a
 CC pathological condition in a subject by determining the presence or
 CC absence of a mutation in a DNA sequence or determining the presence or
 CC amount of expression of the protein. Alternatively the identification of
 CC a binding partner to a sequence allows determination of changes in
 CC protein activity. The sequences can be used as research tools for
 CC receptors or other signal transduction pathway proteins that interact
 CC with the polypeptides of the invention and can be used to treat, prevent
 CC or diagnose various types of disorders such as neurological disorders,
 CC cardiovascular disorders, gastrointestinal disorders, reproductive
 CC disorders, immune system disorders, renal disorders, muscular disorders,
 CC pulmonary disorders, proliferative disorders and cancer.

CC Note: The sequence data for this patent did not form part of the printed
 CC specification, but was obtained in electronic format directly from WIPO
 CC at ftp.wipo.int/pub/published_pct_sequences.
 XX
 SQ Sequence 208 AA;
 Query Match 77.2%; Score 942; DB 22; Length 208;
 Best Local Similarity 99.5%; Pred. No. 2.5e-78;
 Matches 181; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 54 FKSTSDVTDKLTIDWTYRPPSSHTVSIFHYOSFOYPTTAGTFRDRISHWGNYKGDASI 113
 DB 27 FKSTSDVTDKLTIDWTYRPPSSHTVSIFHYOSFOYPTTAGTFRDRISHWGNYKGDASI 86
 QY 114 SISNPTIKDNGTFSCAVKNPPDVHNNIPMTLTVTTERGCTMLSSVALLSILVFPVSAYV 173
 DB 87 SISNPTIKDNGTFSCAVKNPPDVHNNIPMTLTVTTERGCTMLSSVALLSILVFPVSAYV 146
 QY 174 VALLVLRMGKKAAGLKKRSRGYKKSSIEVSDTDQEEFEACMARLCVRCAECLDSYEE 233
 DB 147 VALLVLRMGKKAAGLKKRSRGYKKSSIEVSDTDQEEFEACMARLCVRCAECLDSYEE 206
 QY 234 TY 235
 DB 207 TY 208
 RESULT 6
 ABB10505
 ID ABB10505 standard; Protein; 173 AA.
 XX ABB10505;
 XX
 DT 10-JAN-2002 (first entry)
 XX
 DE Human cDNA SEQ ID NO: 813.
 KW Human; gene therapy; neural disorder; immune system disorder;
 KW muscular disorder; reproductive disorder; gastrointestinal disorder;
 KW pulmonary disorder; cardiovascular disorder; renal disorder;
 KW proliferative disorder; inflammation.
 OS Homo sapiens.
 XX
 PN WO200154474-A2.
 XX
 PD 02-AUG-2001.
 XX
 PF 17-JAN-2001; 2001WO-US01349.
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 PR 31-JAN-2000; 2000US-179065P.
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PR 17-NOV-2000; 2000US-249264P.
PR 17-NOV-2000; 2000US-249265P.
PR 17-NOV-2000; 2000US-249297P.
PR 17-NOV-2000; 2000US-249299P.
PR 17-NOV-2000; 2000US-249300P.
PR 01-DEC-2000; 2000US-250160P.
PR 01-DEC-2000; 2000US-250391P.
PR 05-DEC-2000; 2000US-251030P.
PR 05-DEC-2000; 2000US-251988P.
PR 05-DEC-2000; 2000US-256719P.
PR 06-DEC-2000; 2000US-251479P.
PR 08-DEC-2000; 2000US-251856P.
PR 08-DEC-2000; 2000US-251868P.
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PR 08-DEC-2000; 2000US-251989P.
PR 08-DEC-2000; 2000US-251990P.
PR 11-DEC-2000; 2000US-254097P.
PR 05-JAN-2001; 2001US-259678P.

(HUMA-) HUMAN GENOME SCI INC.

Rosen CA, Barash SC, Ruben SM;

WPI: 2001-476161/51.

N-PSDB; ABA06727.

Isolated nucleic acid molecule encoding an inflammation-associated polypeptide is used in preventing, treating or ameliorating a medical condition.

Claim 11: SEQ ID NO: 813; 859pp + Sequence Listing; English.

The present invention provides human cDNAs, proteins and related genomic DNAs. These can be used in the treatment of neural, immune system, muscular, reproductive, gastrointestinal, pulmonary, cardiovascular, renal and proliferative disorders and inflammation. The present sequence is a protein of the invention.

Sequence 173 AA:

Query Match 55.5%; Score 677; DR 22; Length 173;

Best Local Similarity 79.8%; Pred. No. 3.8e-54;

Matches 138; Conservative 7; Mismatches 24; Indels 4; Gaps 2;

QY 63 KLTIDWTYPPSSSTVSIFHYQSFQYPTTAGTFRDRISGWGNVYKGDASISNPTIKD 122

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QY 123 NGTFCVAVKNPDVHHNIPMTLTVTERGFTGMLSSVALLSLVFPVSAVVALLVRMG 182

Db 61 NGTFCVAVKNPDVHHNIPMTLTVTERGFTGMLSSVALLSLVFPVSAVVALLVRMG 120

OY 183 RKAAGLKKRSYKSSIEVSDDTQBEAEACMARLCVRCACLDSDYEET 235
D 121 RKAAGLKKRSYKSSIEVSDDTQBEAEACMARLCVRCACLDSDYEET 173

RESULT 7

AAU18059

ID AAU18059 standard; Protein; 173 AA.

AC AAU18059;

XX 07-NOV-2001 (first entry)

XX Human immunoglobulin polypeptide SEQ ID No 204.

KW Immunoglobulin; signal transduction pathway protein; cancer;
KW antisense therapy; gene therapy; neurological disorder; renal disorder;
KW cardiovascular disorder; gastrointestinal disorder; pulmonary disorder;
KW reproductive disorder; immune system disorder; proliferative disorder;
W muscular disorder.

X Homo sapiens.

XX WO200155315-A2.

XX 02-AUG-2001.

XX 17-JAN-2001; 2001WO-US01326.

XX 31-JAN-2000; 2000US-0179065.

PR 04-FEB-2000; 2000US-0180628.

PR 24-FEB-2000; 2000US-0184664.

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PR 08-NOV-2000; 2000US-0246476.
PR 08-NOV-2000; 2000US-0246477.
PR 08-NOV-2000; 2000US-0246478.
PR 08-NOV-2000; 2000US-0246523.
PR 08-NOV-2000; 2000US-0246524.
PR 08-NOV-2000; 2000US-0246525.
PR 08-NOV-2000; 2000US-0246526.
PR 08-NOV-2000; 2000US-0246527.
PR 08-NOV-2000; 2000US-0246528.
PR 08-NOV-2000; 2000US-0246532.
PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
PR 08-NOV-2000; 2000US-0246613.
PR 17-NOV-2000; 2000US-0249207.
PR 17-NOV-2000; 2000US-0249208.
PR 17-NOV-2000; 2000US-0249209.
PR 17-NOV-2000; 2000US-0249210.
PR 17-NOV-2000; 2000US-0249211.
PR 17-NOV-2000; 2000US-0249212.
PR 17-NOV-2000; 2000US-0249213.
PR 17-NOV-2000; 2000US-0249214.
PR 17-NOV-2000; 2000US-0249215.
PR 17-NOV-2000; 2000US-0249216.
PR 17-NOV-2000; 2000US-0249217.
PR 17-NOV-2000; 2000US-0249218.

XX AAY11619;
 AC
 XX
 DT 16-JUN-1999 (first entry)
 XX
 DE Human 5' EST secreted protein SEQ ID NO:271.
 XX
 KW Human; secreted protein; EST; expressed sequence tag; diagnosis;
 KW forensic; gene therapy; chromosome mapping; signal peptide;
 KW upstream regulatory sequence; cytokine activity; cell proliferation;
 KW differentiation; haematopoiesis regulation; tissue growth regulation;
 KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
 KW thrombolytic; anti-inflammatory; tumour inhibition.
 XX
 OS Homo sapiens.
 XX
 PN W09506439-A2.
 XX
 PD 11-FEB-1999.
 XX
 PP 31-JUL-1998; 98WO-IB01233.
 XX
 PR 01-AUG-1997; 97US-0904468.
 XX
 PA (GEST) GENSET.
 XX
 PI Duclert A, Dumas Milne Edwards J, Lacroix B;
 XX
 DR WPI: 1999-153700/13.
 DR N-PSDB: AAX40337.
 XX
 XX New nucleic acids encoding human secreted proteins - obtained from
 PT cDNA libraries derived from liver, lung, large intestine, colon,
 PT thyroid and pancreas tissue
 XX
 PS Claim 27; Page 360; 398pp; English.
 XX
 CC AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
 CC human secreted proteins, and encode the proteins given in AAY11533 to
 CC AAY11679, respectively. The proteins given represent the signal peptide
 CC and an N-terminal fragment of a secreted protein. The nucleic acid
 CC sequences can be used for producing secreted human gene products. They
 CC can also be used to develop products for diagnosis and therapy. The
 CC proteins obtained may have cytokine activity, cell
 CC proliferation/differentiation activity, haematopoiesis regulating
 CC activity, tissue growth regulating activity, reproductive hormone
 CC regulating activity, chemotactic/chemokinetic activity, haemostatic and
 CC thrombolytic activity, receptor/ligand activity, anti-inflammatory
 CC activity, tumour inhibition activity or other activities. The products
 CC can be used in forensic, gene therapy and chromosome mapping procedures.
 CC The sequences can also be used for obtaining corresponding promoter
 CC sequences. The nucleic acids encoding the signal peptide can be used for
 CC directing extracellular secretion of a polypeptide or the insertion of a
 CC polypeptide into a membrane, or importing a polypeptide into a cell.
 XX
 SQ Sequence 70 AA;
 Query Match 29.3%; Score 358; DB 20; Length 70;
 Best Local Similarity 100.0%; Pred. No. 2e-25;
 Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MOORGAAGRGCAFPILGLVLFQGVYIVFSLERADAHVGVGKIKLKCTFKSTSDV 60
 DB 1 MOORGAAGRGCAFPILGLVLFQGVYIVFSLERADAHVGVGKIKLKCTFKSTSDV 60
 QY 61 TDKLTIDWT 69
 DB 61 TDKLTIDWT 69
 RESULT 10
 AAM52696
 ID AAM52696 standard; Protein; 258 AA.

XX AAM52696;
 AC
 XX
 DT 26-FEB-2002 (first entry)
 XX
 DE Human myelin protein zero (MPZ).
 XX
 KW Human; myelin protein zero; MPZ; SCZ gene; chromosome 1q22;
 KW schizophrenia; schizoaffective disorder; susceptibility; diagnosis;
 KW polymorphic marker; linkage disequilibrium; APOA2; FCGRI1G; FCGRI2A;
 KW D1S2675; B426K24T; neuroleptic; gene therapy; drug screening;
 KW in utero screening; Charcot-Marie-Tooth neuropathy.
 XX
 OS Homo sapiens.
 XX
 PN W0200180716-A2.
 XX
 PD 01-NOV-2001.
 XX
 PP 23-APR-2001; 2001WO-US13012.
 XX
 PR 21-APR-2000; 2000US-198894P.
 XX
 PA (RUTF) UNIV RUTGERS STATE NEW JERSEY.
 XX
 PI Brzustowicz LM, Bassett AS;
 XX
 DR WPI: 2002-049234/06.
 DR N-PSDB: ABA02395.
 XX
 XX Diagnosing susceptibility to schizophrenia by determining presence of
 PT allele of linked polymorphic marker which is on chromosome 1q22 and is
 PT linked to variant form of SCZ gene associated with schizophrenia
 PT phenotype
 XX
 PS Claim 20; Page 69; 80pp; English.
 XX
 CC This sequence represents human myelin protein zero (MPZ) which
 CC is the major structural protein of peripheral myelin. Mutations
 CC in the MPZ gene are known to be associated with Charcot-Marie-Tooth
 CC neuropathy; however, this invention additionally implicates it in
 CC susceptibility to schizophrenia. The MPZ gene is located on chromosome
 CC 1q22, a region thought to be associated with schizophrenia and the
 CC closely related schizoaffective disorder. The invention identifies the
 CC MPZ gene as an SCZ gene, a variant form of which is associated with a
 CC schizophrenia phenotype. The invention relates to a novel method of
 CC diagnosing a patient's susceptibility to schizophrenia. The method
 CC involves determining the presence of an allele of a polymorphic marker
 CC linked to a variant form of an SCZ gene within a segment of chromosome
 CC 1q22 bordered by D1S2705 and D1S1679. The polymorphic marker allele is
 CC in phase with the variant form of SCZ, and its presence indicates a
 CC susceptibility to schizophrenia and related disorders. The polymorphic
 CC marker is APOA2, FCGRI1G, FCGRI2A, D1S2675, or preferably H426K24T. The
 CC invention also relates to a method for determining an alteration in
 CC an SCZ promoter sequence, where the alteration is associated with a
 CC schizophrenic condition, and a method for assessing a test compound for
 CC its ability to modulate the activity of an SCZ protein. The methods of
 CC the invention are useful for diagnosing schizophrenia or schizoaffective
 CC disorder, or a susceptibility to these conditions in a patient using a
 CC saliva, blood or buccal mucosal cell sample. The MPZ proteins and
 CC nucleotides have neuroleptic activity and may be used in gene therapy.
 CC and MPZ protein modulating compounds may be useful in the treatment of
 CC schizophrenia and related disorders. The invention also provides a highly
 CC accurate assay for in utero screening of foetuses for the presence of
 CC a variant SCZ allele, which will enable the administration of appropriate
 CC treatment at an early stage.
 XX
 SQ Sequence 258 AA;
 Query Match 22.3%; Score 272; DB 23; Length 258;
 Best Local Similarity 34.3%; Pred. No. 8.3e-17;
 Matches 69; Conservative 32; Mismatches 76; Indels 24; Gaps 6;

Db 3 GKSTR--AVLLLLGIG-LTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFPAPVGDAL 59
 QY 65 TIDWYRPPSSHTVSIPIFYOSFOYPTTACTPRDRISWGVNKKYKGDASISISNPTIKDNG 124
 Db 60 TVTNFRPLDGGPEQFVYHIDPFGPMGRFKDRVSWDGNPNRYDASILLKWLQFDND 119
 QY 125 TFCVAVKNNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSADV 173
 Db 120 TVTCQVKNPPDVGIVGEJRLSVVHVRESEIHFLALAIG---SACALMIIIVI---VV 172
 QY 174 VALLVVRMGKKAAGL-----KKRSRGYKKSIEVSDDTD 208
 Db 173 VLFQHYRKRRAEAKHVKVEIKSKEERLNQEKVSVILEDDTD 215

RESULT 13

AAB33448

AD AAB33448 standard: Protein; 215 AA.

AAB33448:

29-JAN-2001 (first entry)

Human PRO1192 protein UNQ606 SEQ ID NO:163.

Human; immune related disease; diagnosis; antiinflammatory; cardiac;
 dermatological; antiarthritic; antirheumatic; immunosuppressive;
 haemostatic; antithyroid; antidiabetic; nootropic; neuroprotective;
 antanaemic; hepatotropic; virucide; antipsoriatic; antiallergic;
 osteoarthritis; spondyloarthritis; systemic sclerosis; sarcoidosis;
 idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
 systemic vasculitis; autoimmune haemolytic anaemia; diabetes mellitus;
 autoimmune thrombocytopaenia; immune-mediated renal disease;
 demyelinating disease; hepatobiliary disease; Whipple's disease;
 inflammatory bowel disease; gluten-sensitive enteropathy;
 autoimmune disease; immune-mediated skin disease; allergic disease;
 immunological disease; transplantation associated disease;
 graft rejection; graft-versus-host-disease.

Homo sapiens.

WO2000053758-A2.

14-SEP-2000.

02-MAR-2000; 2000WO-US05841.

08-MAR-1999; 99WO-US05028.
 10-MAR-1999; 99US-0123618.
 12-MAR-1999; 99US-0123957.
 23-MAR-1999; 99US-0125775.
 12-APR-1999; 99US-0128849.
 20-APR-1999; 99WO-US08615.
 28-APR-1999; 99US-0133445.
 04-MAY-1999; 99US-0132371.
 14-MAY-1999; 99US-0134287.
 02-JUN-1999; 99WO-US12252.
 23-JUN-1999; 99US-0141037.
 20-JUL-1999; 99US-0144758.
 26-JUL-1999; 99US-0145698.
 28-JUL-1999; 99US-0146222.
 01-SEP-1999; 99WO-US20111.
 08-SEP-1999; 99WO-US20594.
 13-SEP-1999; 99WO-US20944.
 15-SEP-1999; 99WO-US21090.
 05-OCT-1999; 99WO-US21547.
 29-OCT-1999; 99WO-US23089.
 29-NOV-1999; 99US-0162506.
 30-NOV-1999; 99WO-US28214.
 30-NOV-1999; 99WO-US28313.
 30-NOV-1999; 99WO-US28409.

PR 01-DEC-1999; 99WO-US28301.
 PR 01-DEC-1999; 99WO-US28634.
 PR 02-DEC-1999; 99WO-US28551.
 PR 02-DEC-1999; 99WO-US28564.
 PR 02-DEC-1999; 99WO-US28565.
 PR 16-DEC-1999; 99WO-US30095.
 PR 20-DEC-1999; 99WO-US30999.
 PR 30-DEC-1999; 99WO-US31274.
 PR 05-JAN-2000; 2000WO-US00219.
 PR 06-JAN-2000; 2000WO-US00277.
 PR 06-JAN-2000; 2000WO-US00376.
 PR 11-FEB-2000; 2000WO-US03565.
 PR 18-FEB-2000; 2000WO-US04341.
 PR 18-FEB-2000; 2000WO-US04342.
 PR 22-FEB-2000; 2000WO-US04414.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ashkenazi AJ, Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W;
 PI Kabakoff RC, Lu Y, Pan J, Pennica D, Shelton DL, Smith V;
 PI Stewart JA, Tumas D, Watanabe CK, Wood WJ, Yan M;
 XX
 DR WP1: 2000-572271/53.
 DR N-PSDB; AAC58613.
 XX

Sixty four PRO polypeptides, useful in the diagnosis and treatment of

immune related disorders, e.g. systemic lupus erythematosus, rheumatoid
 arthritis, osteoarthritis, thyroiditis and diabetes mellitus .
 Claim 33: Fig 70: 309pp: English.

The present invention describes sixty four human PRO proteins which can
 be used in the treatment of immune related diseases. The human PRO
 proteins, anti-PRO antibodies, agonists and antagonists are useful for
 treating and diagnosing immune related disorders. The disorders are
 selected from systemic lupus erythematosus, rheumatoid arthritis,
 osteoarthritis, juvenile chronic arthritis, spondyloarthritis, CC
 systemic sclerosis, idiopathic inflammatory myopathies, Sjogren's
 syndrome, systemic vasculitis, sarcoidosis, autoimmune haemolytic
 anaemia, autoimmune thrombocytopaenia, thyroiditis, diabetes mellitus,
 immune-mediated renal disease, demyelinating diseases of the central
 and peripheral nervous systems, hepatobiliary diseases, inflammatory
 bowel disease, gluten-sensitive enteropathy and Whipple's disease,
 autoimmune or immune-mediated skin diseases, allergic diseases,
 immunological diseases of the lung, and transplantation associated
 diseases including graft rejection and graft-versus-host-disease.
 AAC58397 to AAC58578 represent PCR primers and hybridisation probes used
 in the isolation of human PRO sequences. AAC58579 to AAC58642 and
 AAC33414 to AAC33477 represent human PRO polynucleotide and protein
 sequences given in the exemplification of the present invention.

Sequence 215 AA:

Query Match 19.6%; Score 239.5; DB 21; Length 215;

Best Local Similarity 30.5%; Pred. No. 6.2e-14;

Matches 68; Conservative 33; Mismatches 93; Indels 29; Gaps 6;

QY 5 GAAGSRGCALFPLLGLVLFQGVYVIFSLERADAHVRGVGVGKIKCTCFKSTSDVTDKL 64
 Db 3 GKSTR--AVLLLLGIG-LTALWPIAAVEIYTSRVLEAVNGTDARLKCTFSSFPAPVGDAL 59
 QY 65 TIDWYRPPSSHTVSIPIFYOSFOYPTTACTPRDRISWGVNKKYKGDASISISNPTIKDNG 124
 Db 60 TVTNFRPLDGGPEQFVYHIDPFGPMGRFKDRVSWDGNPNRYDASILLKWLQFDND 119
 QY 125 TFCVAVKNNPDVH-----HNIPMTLTVTGERGCTMLSSVALLSILVFPVSADV 173
 Db 120 TVTCQVKNPPDVGIVGEJRLSVVHVRESEIHFLALAIG---SACALMIIIVI---VV 172
 QY 174 VALLVVRMGKKAAGL-----KKRSRGYKKSIEVSDDTD 208
 Db 173 VLFQHYRKRRAEAKHVKVEIKSKEERLNQEKVSVILEDDTD 215

RESULT 14
AAY66752
ID AAY66752 standard; protein: 215 AA.
XX
AC AAY66752;
XX
DT 05-APR-2000 (first entry)
XX
DE Membrane-bound protein PRO1192.
XX
KW Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW pharmaceutical; receptor immunoadhesin; gene mapping.
XX
OS Homo sapiens.
XX
PN WO9963088-A2.
XX
PD 09-DEC-1999.
XX
ZF 02-JUN-1999; 99NO-US12252.
XX
PR 02-JUN-1998; 98US-0087607.
PR 02-JUN-1998; 98US-0087609.
PR 02-JUN-1998; 98US-0087759.
PR 03-JUN-1998; 98US-0087827.
PR 04-JUN-1998; 98US-0088021.
PR 04-JUN-1998; 98US-0088025.
PR 04-JUN-1998; 98US-0088028.
PR 04-JUN-1998; 98US-0088029.
PR 04-JUN-1998; 98US-0088030.
PR 04-JUN-1998; 98US-0088033.
PR 04-JUN-1998; 98US-0088326.
PR 05-JUN-1998; 98US-0088167.
PR 05-JUN-1998; 98US-0088202.
PR 05-JUN-1998; 98US-0088212.
PR 05-JUN-1998; 98US-0088217.
PR 09-JUN-1998; 98US-0088655.
PR 10-JUN-1998; 98US-0088722.
PR 10-JUN-1998; 98US-0088730.
PR 10-JUN-1998; 98US-0088734.
PR 10-JUN-1998; 98US-0088738.
PR 10-JUN-1998; 98US-0088740.
PR 10-JUN-1998; 98US-0088741.
PR 10-JUN-1998; 98US-0088742.
PR 10-JUN-1998; 98US-0088810.
PR 10-JUN-1998; 98US-0088811.
PR 10-JUN-1998; 98US-0088824.
PR 10-JUN-1998; 98US-0088825.
PR 10-JUN-1998; 98US-0088826.
PR 11-JUN-1998; 98US-0088858.
PR 11-JUN-1998; 98US-0088861.
PR 11-JUN-1998; 98US-0088863.
PR 11-JUN-1998; 98US-0088867.
PR 12-JUN-1998; 98US-0089090.
PR 12-JUN-1998; 98US-0089105.
PR 16-JUN-1998; 98US-0089440.
PR 16-JUN-1998; 98US-0089512.
PR 16-JUN-1998; 98US-0089514.
PR 17-JUN-1998; 98US-0089532.
PR 17-JUN-1998; 98US-0089538.
PR 17-JUN-1998; 98US-0089598.
PR 17-JUN-1998; 98US-0089599.
PR 17-JUN-1998; 98US-0089600.
PR 17-JUN-1998; 98US-0089653.
PR 18-JUN-1998; 98US-0089801.
PR 18-JUN-1998; 98US-0089907.
PR 18-JUN-1998; 98US-0089908.
PR 19-JUN-1998; 98US-0089947.
PR 19-JUN-1998; 98US-0089948.
PR 19-JUN-1998; 98US-0089952.
PR 22-JUN-1998; 98US-0090246.
PR 22-JUN-1998; 98US-0090252.
PR 22-JUN-1998; 98US-0090254.
PR 23-JUN-1998; 98US-0090349.
PR 23-JUN-1998; 98US-0090355.
PR 24-JUN-1998; 98US-0090429.
PR 24-JUN-1998; 98US-0090431.
PR 24-JUN-1998; 98US-0090435.
PR 24-JUN-1998; 98US-0090444.
PR 24-JUN-1998; 98US-0090445.
PR 24-JUN-1998; 98US-0090461.
PR 24-JUN-1998; 98US-0090472.
PR 24-JUN-1998; 98US-0090535.
PR 24-JUN-1998; 98US-0090538.
PR 24-JUN-1998; 98US-0090540.
PR 24-JUN-1998; 98US-0090557.
PR 25-JUN-1998; 98US-0090676.
PR 25-JUN-1998; 98US-0090678.
PR 25-JUN-1998; 98US-0090688.
PR 25-JUN-1998; 98US-0090690.
PR 25-JUN-1998; 98US-0090691.
PR 25-JUN-1998; 98US-0090694.
PR 25-JUN-1998; 98US-0090695.
PR 25-JUN-1998; 98US-0090696.
PR 26-JUN-1998; 98US-0090862.
PR 26-JUN-1998; 98US-0090863.
PR 01-JUL-1998; 98US-0091358.
PR 01-JUL-1998; 98US-0091360.
PR 01-JUL-1998; 98US-0091544.
PR 02-JUL-1998; 98US-0091478.
PR 02-JUL-1998; 98US-0091486.
PR 02-JUL-1998; 98US-0091519.
PR 02-JUL-1998; 98US-0091626.
PR 02-JUL-1998; 98US-0091628.
PR 02-JUL-1998; 98US-0091633.
PR 02-JUL-1998; 98US-0091646.
PR 02-JUL-1998; 98US-0091673.
PR 07-JUL-1998; 98US-0091978.
PR 07-JUL-1998; 98US-0091982.
PR 09-JUL-1998; 98US-0092182.
PR 10-JUL-1998; 98US-0092472.
PR 20-JUL-1998; 98US-0093339.
PR 30-JUL-1998; 98US-0094651.
PR 04-AUG-1998; 98US-0095282.
PR 04-AUG-1998; 98US-0095285.
PR 04-AUG-1998; 98US-0095301.
PR 04-AUG-1998; 98US-0095302.
PR 04-AUG-1998; 98US-0095318.
PR 04-AUG-1998; 98US-0095321.
PR 04-AUG-1998; 98US-0095325.
PR 10-AUG-1998; 98US-0095916.
PR 10-AUG-1998; 98US-0095929.
PR 10-AUG-1998; 98US-0096012.
PR 11-AUG-1998; 98US-0096143.
PR 11-AUG-1998; 98US-0096146.
PR 12-AUG-1998; 98US-0096329.
PR 17-AUG-1998; 98US-0096757.
PR 17-AUG-1998; 98US-0096766.
PR 17-AUG-1998; 98US-0096768.
PR 17-AUG-1998; 98US-0096773.
PR 17-AUG-1998; 98US-0096791.
PR 17-AUG-1998; 98US-0096867.
PR 17-AUG-1998; 98US-0096891.
PR 17-AUG-1998; 98US-0096894.
PR 17-AUG-1998; 98US-0096895.
PR 17-AUG-1998; 98US-0096897.
PR 18-AUG-1998; 98US-0096949.
PR 18-AUG-1998; 98US-0096950.
PR 18-AUG-1998; 98US-0096959.
PR 18-AUG-1998; 98US-0096960.
PR 18-AUG-1998; 98US-0097022.
PR 19-AUG-1998; 98US-0097141.
PR 20-AUG-1998; 98US-0097218.
PR 24-AUG-1998; 98US-0097661.
PR 26-AUG-1998; 98US-0097951.

CC to factor VIIA. The PRO polypeptides can be used in assays to identify
CC molecules involved in binding interactions. The polynucleotides encoding
CC PRO polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy.

SQ	Sequence	215 AA;																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																</
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Search completed: March 19, 2003, 11:29:14
Job time : 38 secs

GenCore version 5.1.4.p5.4578
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OM nucleic - nucleic search, using sw model

Run on: March 17, 2003, 02:16:41 : Search time 275 Seconds
(without alignments)
7943.412 Million cell updates/sec

Title: US-10-009-328-84
Perfect score: 970
Sequence: 1 ggaatcagcagagagagca.....tgtaattgaatgaagaataac 970

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2185239 seqs, 1125999159 residues
Total number of hits satisfying chosen parameters: 4370478

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :			
N_Genes=1_101002:*			
1:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1980.DAT:*		
2:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA1981.DAT:*		
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23:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA2001B.DAT:*		
24:	/SIDS2/gcgdata/geneseq/geneseqn-emb1/NA2002.DAT:*		

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	970	100.0	970	22 AAF27741	Human transport pr
2	969	99.9	983	22 AAD02925	Human PRO7425 cDNA
3	969	99.9	983	24 ABK33654	cDNA encoding huma
4	808.8	83.4	4047	22 AAS28785	Human immunoglobul
5	805.2	83.0	3802	22 ARA06545	Human cDNA SEQ ID
6	665.2	68.6	836	22 ABA06727	Human cDNA SEQ ID
7	665.2	68.6	836	22 AAS28847	Human Immunoglobul
8	289.2	29.8	342	20 AAX40553	Human secreted pro
9	209.4	21.6	316	20 AAX40337	Human secreted pro

10	75	7.7	1553	21	AAZ97082	Human secreted pro
11	67.4	6.9	1219	20	AAZ25016	Human channel-rela
12	67.4	6.9	1371	21	AAC58613	Human PRO1192 prot
13	67.4	6.9	1371	21	AAZ65098	Membrane-bound pro
14	67.4	6.9	1371	22	AAS21487	Human cDNA sequenc
15	67.4	6.9	1371	22	AAF44244	Human PRO1192 (UNQ
16	67.4	6.9	1371	24	ABL95653	Human angiogenesis
17	67.4	6.9	1371	24	ABL88164	Human PRO1192 cDNA
18	67.4	6.9	1371	24	ABK33619	cDNA encoding huma
19	67.4	6.9	2087	23	ABV24837	Human prostate exp
20	61.8	6.4	1145	20	AAZ00456	Human secreted pro
21	52	5.4	777	24	ABA02395	Human myelin prote
22	50.8	5.2	5108	22	ABA17469	Human nervous syst
23	50.8	5.2	5108	22	ABA17470	Human nervous syst
24	48.4	5.0	1073	24	ABK51046	Mouse cDNA encodin
25	45	4.6	1073	24	ABK51048	Mouse cDNA encodin
26	43.4	4.5	1073	24	ABK51047	Mouse cDNA encodin
27	43.4	4.5	1073	24	ABK51049	Mouse cDNA encodin
28	42.6	4.4	480	24	ABK51050	Human protein zero
29	42.6	4.4	480	24	ABK51051	Human protein zero
30	42.6	4.4	480	24	ABK51052	Human protein zero
31	42.6	4.4	480	24	ABK51053	Human protein zero
32	42.6	4.4	600	24	ABK51054	Human protein zero
33	42.6	4.4	600	24	ABK51055	Human protein zero
34	42.6	4.4	600	24	ABK51056	Human protein zero
35	42.6	4.4	600	24	ABK51057	Human protein zero
36	42.6	4.4	752	24	ABK51042	Human protein zero
37	42.6	4.4	752	24	ABK51043	Human protein zero
38	42.6	4.4	752	24	ABK51044	Human protein zero
39	42.6	4.4	752	24	ABK51045	Human protein zero
40	42.6	4.4	1151	24	ABK51034	Human cDNA encodin
41	42.6	4.4	1151	24	ABK51035	Human cDNA encodin
42	42.6	4.4	1151	24	ABK51036	Human cDNA encodin
43	42.6	4.4	1151	24	ABK51037	Human cDNA encodin
44	42.6	4.4	1776	21	AAZ37127	Human PRO1787 (UNQ
45	42.6	4.4	1777	22	AAS21508	Human cDNA sequenc

ALIGNMENTS

RESULT 1
ID AAF27741 standard; cDNA: 970 BP.

XX AAF27741:

AC AAF27741:

XX 28-MAR-2001 (first entry)

XX Human transport protein TPPT-41 coding sequence.

XX Human; transport protein: TPPT; transport disorder: metabolic disorder;

XX neurological disorder; cardiovascular disorder; reproductive disorder;

XX immune disorder; cancer; ss.

XX Homo sapiens.

XX WO200078953-A2.

XX 28-DEC-2000.

XX 16-JUN-2000; 2000WO-US16668.

XX 17-JUN-1999; 99US-0139923.

XX 10-AUG-1999; 99US-0148177.

XX 18-AUG-1999; 99US-0149357.

XX 28-OCT-1999; 99US-0162287.

XX (INCY-) INCYTE GENOMICS INC.

XX Lal P, Yang J, Yue H, Hillman JL, Tang YF, Bandman O, Burford N;
PI Baughn MK, Azimzai Y, Lu DAM, Au-Young J, Patterson C;
XX

DR WPI: 2001-041424/05.
 DR P-PSDB; AAB60121.
 XX Isolated polypeptide with a human transport protein sequence is useful
 PT for the diagnosis, prevention and treatment of disorders associated
 PT with the immune, reproductive and cardiovascular systems -
 XX
 PS Claim 5; Page 165; 165pp; English.
 XX The present invention provides the protein and coding sequences for 43
 CC novel human transport proteins (designated TPPTs). These can be used in
 CC the diagnosis and treatment of transport, metabolic, neurological,
 CC reproductive, cardiovascular and immune disorders, and cell proliferative
 CC disorders such as cancer.
 XX
 SQ Sequence 970 BP; 261 A; 209 C; 243 G; 257 T; 0 other;

Query Match 100.0%; Score 970; DB 22; Length 970;
 Best Local Similarity 100.0%; Pred. No. 1.3e-295;
 Matches 970; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGATGCAGCAGAGGAGCAGCTGGAGCGCTGCGCTCTCTTCCCTCTCTCTGGCG 60
 DB 1 GGATGCAGCAGAGGAGCAGCTGGAGCGCTGCGCTCTCTTCCCTCTCTGGCG 60

QY 61 TCCTGTCTTCCAGGGTGTATATATCGCTCTTTCCTTGGAGATTTCGTGCAGATGCCCATG 120
 DB 61 TCCTGTCTTCCAGGGTGTATATATCGCTCTTTCCTTGGAGATTTCGTGCAGATGCCCATG 120

QY 121 TCCGAGGTATGTGGAGAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTCAGATG 180
 DB 121 TCCGAGGTATGTGGAGAAAGATCAAGTTGAAATGCACTTTCAAGTCAACTTCAGATG 180

QY 181 TCACGTGACAAAGCTTACTATAGCTGGACATATCGCCCTCCAGCAGCAGCCACAGTAT 240
 DB 181 TCACGTGACAAAGCTTACTATAGCTGGACATATCGCCCTCCAGCAGCAGCCACAGTAT 240

QY 241 CAATATTTCAATATTCAGTCTTTCAGTACCAACCCAGCAGCAGCAGCAGTTCGGATCGGA 300
 DB 241 CAATATTTCAATATTCAGTCTTTCAGTACCAACCCAGCAGCAGCAGCAGTTCGGATCGGA 300

QY 301 TTTCTCTGGGTGGAAATGTATACAAAGGGGATGCATCTATTAAGTATAAGCAACCCCTACCA 360
 DB 301 TTTCTCTGGGTGGAAATGTATACAAAGGGGATGCATCTATTAAGTATAAGCAACCCCTACCA 360

QY 361 TAAAGGCAATGGGACATTCAGCTGTGCTGTGAAGAAATCCCCAGATGTCACCAATAA 420
 DB 361 TAAAGGCAATGGGACATTCAGCTGTGCTGTGAAGAAATCCCCAGATGTCACCAATAA 420

QY 421 TTCCCATGACAGAGCTAACAGTACACAGTACACAGAAAGGGGTTTGGCAGCATCTTCTCTGTGG 480
 DB 421 TTCCCATGACAGAGCTAACAGTACACAGTACACAGAAAGGGGTTTGGCAGCATCTTCTCTGTGG 480

QY 481 CCCTCTCTTCCATCTCTGTCTTGTGCGCTCAGCGCTGGTGTGCTCTCTCTCTGTGA 540
 DB 481 CCCTCTCTTCCATCTCTGTCTTGTGCGCTCAGCGCTGGTGTGCTCTCTCTCTGTGA 540

QY 541 GAATGGGGAGGAGGCTGTGGGCTGAAGAAGAGGAGGAGGCTGTGCTATTAAGAAGTCAT 600
 DB 541 GAATGGGGAGGAGGCTGTGGGCTGAAGAAGAGGAGGAGGCTGTGCTATTAAGAAGTCAT 600

QY 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGGAGGCTGTATGGCAGGCTTT 660
 DB 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGGAGGCTGTATGGCAGGCTTT 660

QY 661 GTGTCTCTGCGCTGAGTCTGCTGGATTTCAGACTATGAAGAGACATATTGATGAAGCTCTG 720
 DB 661 GTGTCTCTGCGCTGAGTCTGCTGGATTTCAGACTATGAAGAGACATATTGATGAAGCTCTG 720

QY 721 TATGACACAAAGAGAGTACCTTAAGACAGAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780
 DB 721 TATGACACAAAGAGAGTACCTTAAGACAGAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780

781 CTCTCAGAGAAAGCTGGAGCTGGCTGGACCATAGCATGGACAAATCCTGGAGATCATCAG 840
 781 CTGTTCACAGAAAGTGGAGCTGGCTGGACCATAGCATGGACAAATCCTGGAGATCATCAG 840
 841 TAAAGACTTTAGGAAACCACTATTATTGAATAAATGCTTGTGTTATTTATAAAGTGT 900
 841 TAAAGACTTTAGGAAACCACTATTATTGAATAAATGCTTGTGTTATTTATAAAGTGT 900
 901 TCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTTCAATGAATTTGCTGTAATTGAA 960
 901 TCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTTCAATGAATTTGCTGTAATTGAA 960
 961 TGAAGAAATTC 970
 961 TGAAGAAATTC 970

RESULT 2
 AAD02925
 ID AAD02925 standard; cDNA; 983 BP.
 XX
 AC AAD02925;
 XX
 DT 31-MAY-2001 (first entry)
 XX
 DE Human PRO7425 cDNA (DNA108792-2753).
 XX
 KW Human: PRO7425; antiinflammatory; dermatological; immunosuppressive;
 KW antirheumatic; antiarthritic; osteopathic; antianemic; haemostatic;
 KW antihypoid; antidiabetic; antiviral; antipsoriatic; antiallergic;
 KW antiasthmatic; inhibitor; therapy; systemic sclerosis; systemic vasculitis;
 KW spondyloarthropathy; systemic sclerosis; systemic vasculitis;
 KW sarcoidosis; idiopathic inflammatory myopathy; Sjogren's syndrome;
 KW autoimmune thrombocytopenia; immune-mediated renal disease; hepatitis;
 KW demyelinating polyneuropathy; Guillain-Barre syndrome; Whipple's disease;
 KW hepatobiliary disease; primary biliary cirrhosis; sclerosing cholangitis;
 KW inflammatory bowel disease; gluten-sensitive enteropathy; skin disease;
 KW allergic rhinitis; atopic dermatitis; food hypersensitivity; urticaria;
 KW eosinophilic pneumonia; hypersensitivity pneumonitis; graft rejection;
 KW idiopathic pulmonary fibrosis; graft-versus-host-disease; ss.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT CDS 3..710
 FT /tag= a
 FT /product= "Human PRO7425 protein"
 XX
 PN WO200116319-A2.
 XX
 PD 08-MAR-2001.
 XX
 PF 23-AUG-2000; 2000WO-US235522.
 XX
 PR 31-AUG-1999; 99US-0151733.
 PR 01-SEP-1999; 99WO-US20111.
 PR 18-DEC-1999; 99WO-US30095.
 PR 18-FEB-2000; 2000WO-US04342.
 PR 01-MAR-2000; 2000WO-US05601.
 PR 30-MAR-2000; 2000WO-US08439.
 PR 17-MAY-2000; 2000WO-US13705.
 PR 22-MAY-2000; 2000WO-US14042.
 PR 30-JUN-2000; 2000WO-US14941.
 PR 05-JUN-2000; 2000US-0209832.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Goddard A, Godowski PJ, Gurney AL, Hillan KJ, Thomas D;
 PI Watanabe CK, Wood WI;
 XX
 DR WPI: 2001-226690/23.
 DR P-PSDB; AAY72879.
 XX

PT New PRO polypeptides for treating immune related and inflammatory
PT diseases such as rheumatoid arthritis, systemic vasculitis, asthma,
PT autoimmune hemolytic anemia, and diabetes mellitus
XX
PS Claim 2; Fig 11; 118pp; English.
XX
CC The present sequence is a cDNA (DNA108792-2753 clone) encoding PRO7425
CC protein. PRO protein, its agonist or antagonist or its antibody which
CC are capable of enhancing or inhibiting the proliferation of T-lymphocytes
CC or of increasing the infiltration of inflammatory cells into a tissue
CC are useful in the diagnosis and treatment of immune-related diseases
CC in mammals. The PRO protein is useful for treating systemic lupus
CC erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic
CC arthritis, spondyloarthritis, systemic sclerosis, idiopathic
CC inflammatory myopathy, Sjogren's syndrome, systemic vasculitis,
CC sarcoidosis, autoimmune hemolytic anemia, autoimmune thrombocytopenia,
CC thyroiditis, diabetes mellitus, immune-mediated renal disease,
CC demyelinating disease of the central or peripheral nervous system,
CC idiopathic demyelinating polyneuropathy, Guillain-Barre syndrome,
CC chronic inflammatory demyelinating polyneuropathy, hepatobiliary
CC disease, infectious or autoimmune chronic active hepatitis, primary
CC biliary cirrhosis, granulomatous hepatitis, sclerosing cholangitis,
CC inflammatory bowel disease, gluten-sensitive enteropathy, Whipple's
CC disease, autoimmune or immune-mediated skin diseases such as bullous
CC skin disease, erythema multiforme and contact dermatitis, psoriasis,
CC allergic diseases such as asthma, allergic rhinitis, atopic dermatitis,
CC food hypersensitivity and urticaria, immunologic diseases of the lung
CC such as eosinophilic pneumonias, idiopathic pulmonary fibrosis, hyper-
CC sensitivity pneumonitis, transplantation associated diseases such as
CC graft rejection or graft-versus-host-disease.
XX
SQ Sequence 983 BP; 263 A; 212 C; 245 G; 263 T; 0 other;

Query Match 99.9%; Score 969; DB 22; Length 983;
Best Local Similarity 100.0%; Pred. No. 2.6e-295;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGATGACGACGAGGAGCAGCTGGAAGCCGCTGCGCTCTCTCCCTCTGCTGGCG 60
DB 1 GGATGACGACGAGGAGCAGCTGGAAGCCGCTGCGCTCTCTCCCTCTGCTGGCG 60
QY 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTGGAGATTCTGTCAGATGCCATG 120
DB 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTGGAGATTCTGTCAGATGCCATG 120
QY 121 TCCAGGTTATGTTGGAGAAAGATCAAGTTGAATGCACCTTCAAGTCACTTCAGATG 180
DB 121 TCCAGGTTATGTTGGAGAAAGATCAAGTTGAATGCACCTTCAAGTCACTTCAGATG 180
QY 181 TCACTGACACGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
DB 181 TCACTGACACGCTTACTATAGACTGGACATATCGCCCTCCAGCAGCAGCCACACAGTAT 240
QY 241 CAATATTTCATATACGCTTTCCAGTACCAACCAACAGCAGGACATTTTCGGATCGGA 300
DB 241 CAATATTTCATATACGCTTTCCAGTACCAACCAACAGCAGGACATTTTCGGATCGGA 300
QY 301 TTTCTGCTGGTGGAAATGTATACAAAGGGGATGATCTATTAAGTATAGCAACCTACCA 360
DB 301 TTTCTGCTGGTGGAAATGTATACAAAGGGGATGATCTATTAAGTATAGCAACCTACCA 360
QY 361 TAAAGGCAATGGACATTCAGCTGTGCTGTGAAGAATCCCAAGATGTCACCATATA 420
DB 361 TAAAGGCAATGGACATTCAGCTGTGCTGTGAAGAATCCCAAGATGTCACCATATA 420
QY 421 TTCCCATGACAGAGCTAACAGTTCACAGAAAGGGGTTTTGGCACCATGCTTTCCCTCTGTGG 480
DB 421 TTCCCATGACAGAGCTAACAGTTCACAGAAAGGGGTTTTGGCACCATGCTTTCCCTCTGTGG 480
QY 481 CCCTTCCTTTCCATCCCTCTGCTTTTGGCCCTCAGCCGCTGGTGGTCTGCTGCTGTGGA 540
DB 481 CCCTTCCTTTCCATCCCTCTGCTTTTGGCCCTCAGCCGCTGGTGGTCTGCTGCTGCTGGA 540

QY 541 GAATGGGAGCAAGGCTGCTGGCTGAAGAAGAGAGAGCTCTGGCTATTAAGAGTCAAT 600
DB 541 GAATGGGAGCAAGGCTGCTGGCTGAAGAAGAGAGAGAGCTCTGGCTATTAAGAGTCAAT 600
QY 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGTATGGCAGGCTTTT 660
DB 601 CTATTGAGGTTTCCGATGACACTGATCAGGAGGAGGAGCGGTGTATGGCAGGCTTTT 660
QY 661 GTGTCCTGCTGGCTGAGTGCCTGCATTCAGACTATGAAGACACATATTGATGAAGTCTG 720
DB 661 GTGTCCTGCTGGCTGAGTGCCTGCATTCAGACTATGAAGACACATATTGATGAAGTCTG 720
QY 721 TATGACACAAGAGAGTCAACCTAAAGCAGGAGAAACATCCCATTCACCTGGCAGCTAAAGC 780
DB 721 TATGACACAAGAGAGTCAACCTAAAGCAGGAGAAACATCCCATTCACCTGGCAGCTAAAGC 780
QY 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGGAGATGGACATTCCTGGAGATCATCAG 840
DB 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGGAGATGGACATTCCTGGAGATCATCAG 840
QY 841 TAAAGACTTTTAGGAACCACTTATTTATGTAATAAATGTTCTGTGTATTTATAAAGTGT 900
DB 841 TAAAGACTTTTAGGAACCACTTATTTATGTAATAAATGTTCTGTGTATTTATAAAGTGT 900
QY 901 TCAGCAAGTCTCATAAAGAGACTCATGACTTCCCTTTTCAATGAATATGCTGTAAATGAA 960
DB 901 TCAGCAAGTCTCATAAAGAGACTCATGACTTCCCTTTTCAATGAATATGCTGTAAATGAA 960
QY 961 TGAAGAAAT 969
DB 961 TGAAGAAAT 969
RESULT 3
ABK33654
ID ABK33654 standard; cDNA; 983 BP.
XX AC ABK33654;
XX DT 08-MAY-2002 (first entry)
XX cDNA encoding human PRO protein, Seq ID No 237.
DE Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
KW breast cancer; prostate tumour; rectal tumour; liver tumour;
KW pericyte cell proliferation; chondrocyte cell proliferation;
KW tumour necrosis factor-alpha; gene; ss.
OS Homo sapiens.
XX WO200208288-A2.
XX 31-JAN-2002.
XX 29-JUN-2001; 2001WO-US21066.
XX 20-JUL-2000; 2000US-219556P.
PR 25-JUL-2000; 2000US-220585P.
PR 25-JUL-2000; 2000US-220605P.
PR 25-JUL-2000; 2000US-220607P.
PR 25-JUL-2000; 2000US-220624P.
PR 25-JUL-2000; 2000US-220638P.
PR 25-JUL-2000; 2000US-220664P.
PR 25-JUL-2000; 2000US-220666P.
PR 26-JUL-2000; 2000US-220893P.
PR 28-JUL-2000; 2000WO-US20710.
PR 23-AUG-2000; 2000WO-US23522.
PR 24-AUG-2000; 2000WO-US23328.
PR 15-SEP-2000; 2000US-000000P.
PR 10-NOV-2000; 2000WO-US30873.
PR 28-NOV-2000; 2000US-253646P.
PR 01-DEC-2000; 2000WO-US32678.
PR 20-DEC-2000; 2000US-074259.

PR 20-DEC-2000; 2000WO-US34956.
PR 28-FEB-2001; 2001WO-US06520.
PR 10-MAY-2001; 2001US-0854280.
PR 25-MAY-2001; 2001WO-US17092.
XX
PA (GETH) GENENTECH INC.
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
XX WP1: 2002-172001/22.
DR P-PSDB; AAU83710.
XX
XX One hundred and twenty two nucleic acids encoding PRO polypeptides,
PT such as lung cancer, colon cancer, breast tumour, prostate tumour, rectal
PT tumour or liver tumour
XX
XX Claim 2; Figure 237; 359pp; English.
XX
XX The invention relates to one hundred and twenty two nucleic acids
XX encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
XX encode human secreted proteins. The PRO nucleic acids, polypeptides,
XX agonists and antagonists are useful for treating a PRO related disorder.
XX The PRO polypeptides are useful for diagnosing tumours, especially lung
XX cancer, colon cancer, breast tumour, prostate tumour, rectal tumour or
XX liver tumour. The PRO polypeptides are useful for stimulating the
XX proliferation of, or gene expression, in pericyte cells, for stimulating
XX the proliferation or differentiation of chondrocyte cells, for
XX stimulating the release of tumour necrosis factor-alpha from human blood,
XX for stimulating or inhibiting the proliferation of normal human dermal
XX fibroblast cells. The PRO polypeptide may also be used as molecular
XX weight markers and for tissue typing. The PRO nucleic acids have
XX applications in molecular biology, including use as hybridisation probes,
XX and in chromosome and gene mapping. ABK33536-ABK33657 represent human
XX PRO protein coding sequences of the invention.
XX
XX Sequence 983 BP; 263 A; 212 C; 245 G; 263 T; 0 other;

Query Match 99.9%; Score 969; DB 24; Length 983;
Best Local Similarity 100.0%; Pred. No. 2.6e-295;
Matches 969; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGATGACAGCAGAGGAGCGTGGAGCGCTGGCTGCGCTCTCTCCCTCTCTGGGCG 60
DB 1 GGATGACAGCAGAGGAGCGTGGAGCGCTGGCTGCGCTCTCTCCCTCTCTGGGCG 60
QY 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCTTGGAGATTCTGTCAGATGCCCATG 120
DB 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCTTGGAGATTCTGTCAGATGCCCATG 120
QY 121 TCCGAGGTTATGTTGGAGAAAGATCAAGTTGAAATGCACCTTTCAAGTCAACTTCAGATG 180
DB 121 TCCGAGGTTATGTTGGAGAAAGATCAAGTTGAAATGCACCTTTCAAGTCAACTTCAGATG 180
QY 181 TCACGTGACAGCTTACTATAGACTGGACATATCGCCCTCCACGAGCGCACACAGTAT 240
DB 181 TCACGTGACAGCTTACTATAGACTGGACATATCGCCCTCCACGAGCGCACACAGTAT 240
QY 241 CAATATTTTCAATATCAGTCTTTCCAGTACCAACACGAGCGACATTTCCGGATCGGA 300
DB 241 CAATATTTTCAATATCAGTCTTTCCAGTACCAACACGAGCGACATTTCCGGATCGGA 300
QY 301 TTTCTCTGGGTTGGAATGTATACAAAGGGGATGCATCTATAGTATAAGCAACCCCTACCA 360
DB 301 TTTCTCTGGGTTGGAATGTATACAAAGGGGATGCATCTATAGTATAAGCAACCCCTACCA 360
QY 361 TAAAGGCAATGGACATTCAGCTGTCTGTGAAGAAATCCCCAGATGTGCACCAATAA 420
DB 361 TAAAGGCAATGGACATTCAGCTGTCTGTGAAGAAATCCCCAGATGTGCACCAATAA 420
QY 421 TTCCCATGACAGAGCTTAACAGTCACAGAAAGGGGTTTGGCACCATGCTTCTCTCTGTG 480
DB 421 TTCCCATGACAGAGCTTAACAGTCACAGAAAGGGGTTTGGCACCATGCTTCTCTCTGTG 480

DB 421 TTCCCATGACAGAGCTTAACAGTCACAGAAAGGGGTTTGGCACCATGCTTCTCTCTGTG 480
QY 481 CCCTTCTTCCATCCCTTGTCTTGTGTCCTTGTGTCCTTGTGTCCTTGTGTCCTTGTGTCCT 540
DB 481 CCCTTCTTCCATCCCTTGTCTTGTGTCCTTGTGTCCTTGTGTCCTTGTGTCCTTGTGTCCT 540
QY 541 GAATGGGAGGAAGGCTTGGGCTGAAGAGAGGAGGAGGCTTGGCTATAAAGAAATTCAT 600
DB 541 GAATGGGAGGAAGGCTTGGGCTGAAGAGAGGAGGAGGCTTGGCTATAAAGAAATTCAT 600
QY 601 CTATTGAGGTTTCCGATCACACTGATCAGAGGAGGAGGAGGCTGTATATGCCAGGCTTT 660
DB 601 CTATTGAGGTTTCCGATCACACTGATCAGAGGAGGAGGAGGCTGTATATGCCAGGCTTT 660
QY 661 GTGTCCCTTCCGCTGAGTCTGATTCACACTATGAAGAGACATATTTGATGAAGCTCTG 720
DB 661 GTGTCCCTTCCGCTGAGTCTGATTCACACTATGAAGAGACATATTTGATGAAGCTCTG 720
QY 721 TATGACACAAGAGAGTACCTAAAGACAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780
DB 721 TATGACACAAGAGAGTACCTAAAGACAGGAACATCCCATTTCCACTGGCAGCTAAAGC 780
QY 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGCCATGACACATCTCGAGATCATCAG 840
DB 781 CTGTCAGAGAAAGTGGAGCTGGCTGGACCATAGCCATGACACATCTCGAGATCATCAG 840
QY 841 TAAAGACTTTAGGAACACACTTATTTATTGAATAAATGTTCTTGTGTATTTATAAAGCT 900
DB 841 TAAAGACTTTAGGAACACACTTATTTATTGAATAAATGTTCTTGTGTATTTATAAAGCT 900
QY 901 TCAGGAGTCTCATAGAGACTCATGACTTCCCTTTCAATGAATTAATGCTTAATTTGAA 960
DB 901 TCAGGAGTCTCATAGAGACTCATGACTTCCCTTTCAATGAATTAATGCTTAATTTGAA 960
QY 961 TGAAGAAAT 969
DB 961 TGAAGAAAT 969
RESULT 4
AAS28785
ID AAS28785 standard; cDNA; 4047 BP.
XX AAS28785;
XX
DT 07-NOV-2001 (first entry)
XX Human immunoglobulin encoding cDNA SEQ ID No 31.
DE
XX
KW Immunoglobulin; primer; signal transduction pathway protein; cancer; ss;
KW antisense therapy; gene therapy; neurological disorder; renal disorder;
KW cardiovascular disorder; gastrointestinal disorder; pulmonary disorder;
KW reproductive disorder; immune system disorder; proliferative disorder;
KW muscular disorder.
XX
OS Homo sapiens.
XX
PN WO200155315-A2.
XX
XX 02-AUG-2001.
PD
XX
PF 17-JAN-2001; 2001WO-US01326.
XX
XX 31-JAN-2000; 2000US-0179065.
PR 04-FEB-2000; 2000US-0180628.
PR 24-FEB-2000; 2000US-0184664.
PR 02-MAR-2000; 2000US-0186350.
PR 16-MAR-2000; 2000US-0189874.
PR 17-MAR-2000; 2000US-0190076.
PR 18-APR-2000; 2000US-0198123.
PR 19-MAY-2000; 2000US-0205515.
PR 07-JUN-2000; 2000US-0209467.
PR 28-JUN-2000; 2000US-0214886.

PR 30-JUN-2000; 2000US-0215135.
 PR 07-JUL-2000; 2000US-0216647.
 PR 07-JUL-2000; 2000US-0216880.
 PR 11-JUL-2000; 2000US-0217487.
 PR 11-JUL-2000; 2000US-0217496.
 PR 14-JUL-2000; 2000US-0218290.
 PR 26-JUL-2000; 2000US-0220963.
 PR 26-JUL-2000; 2000US-0220964.
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 PR 14-AUG-2000; 2000US-0224519.
 PR 14-AUG-2000; 2000US-0225213.
 PR 14-AUG-2000; 2000US-0225214.
 PR 14-AUG-2000; 2000US-0225266.
 PR 14-AUG-2000; 2000US-0225267.
 PR 14-AUG-2000; 2000US-0225268.
 PR 14-AUG-2000; 2000US-0225270.
 PR 14-AUG-2000; 2000US-0225447.
 PR 14-AUG-2000; 2000US-0225757.
 PR 14-AUG-2000; 2000US-0225758.
 PR 14-AUG-2000; 2000US-0225759.
 PR 18-AUG-2000; 2000US-0226279.
 PR 22-AUG-2000; 2000US-0226681.
 PR 22-AUG-2000; 2000US-0226688.
 PR 23-AUG-2000; 2000US-0227182.
 PR 30-AUG-2000; 2000US-0228924.
 PR 01-SEP-2000; 2000US-0229287.
 PR 01-SEP-2000; 2000US-0229343.
 PR 01-SEP-2000; 2000US-0229344.
 PR 05-SEP-2000; 2000US-0229345.
 PR 05-SEP-2000; 2000US-0229509.
 PR 05-SEP-2000; 2000US-0229513.
 PR 06-SEP-2000; 2000US-0230437.
 PR 06-SEP-2000; 2000US-0230438.
 PR 08-SEP-2000; 2000US-0231242.
 PR 08-SEP-2000; 2000US-0231243.
 PR 08-SEP-2000; 2000US-0231244.
 PR 08-SEP-2000; 2000US-0231413.
 PR 08-SEP-2000; 2000US-0231414.
 PR 08-SEP-2000; 2000US-0232080.
 PR 08-SEP-2000; 2000US-0232081.
 PR 12-SEP-2000; 2000US-0231968.
 PR 14-SEP-2000; 2000US-0232397.
 PR 14-SEP-2000; 2000US-0232398.
 PR 14-SEP-2000; 2000US-0232399.
 PR 14-SEP-2000; 2000US-0232400.
 PR 14-SEP-2000; 2000US-0232401.
 PR 14-SEP-2000; 2000US-0233063.
 PR 14-SEP-2000; 2000US-0233064.
 PR 21-SEP-2000; 2000US-0233065.
 PR 21-SEP-2000; 2000US-0234223.
 PR 21-SEP-2000; 2000US-0234274.
 PR 25-SEP-2000; 2000US-0234997.
 PR 25-SEP-2000; 2000US-0234998.
 PR 26-SEP-2000; 2000US-0235484.
 PR 27-SEP-2000; 2000US-0235834.
 PR 27-SEP-2000; 2000US-0235836.
 PR 29-SEP-2000; 2000US-0236327.
 PR 29-SEP-2000; 2000US-0236367.
 PR 29-SEP-2000; 2000US-0236368.
 PR 29-SEP-2000; 2000US-0236369.
 PR 29-SEP-2000; 2000US-0236370.
 PR 02-OCT-2000; 2000US-0236802.
 PR 02-OCT-2000; 2000US-0237037.
 PR 02-OCT-2000; 2000US-0237038.
 PR 02-OCT-2000; 2000US-0237039.
 PR 02-OCT-2000; 2000US-0237040.
 PR 13-OCT-2000; 2000US-0239935.
 PR 13-OCT-2000; 2000US-0239937.
 PR 20-OCT-2000; 2000US-0240960.
 PR 20-OCT-2000; 2000US-0241221.
 PR 20-OCT-2000; 2000US-0241785.
 PR 20-OCT-2000; 2000US-0241786.

PR 20-OCT-2000; 2000US-0241787.
 PR 20-OCT-2000; 2000US-0241808.
 PR 20-OCT-2000; 2000US-0241809.
 PR 20-OCT-2000; 2000US-0241826.
 PR 01-NOV-2000; 2000US-0244617.
 PR 08-NOV-2000; 2000US-0246474.
 PR 08-NOV-2000; 2000US-0246475.
 PR 08-NOV-2000; 2000US-0246476.
 PR 08-NOV-2000; 2000US-0246477.
 PR 08-NOV-2000; 2000US-0246478.
 PR 08-NOV-2000; 2000US-0246523.
 PR 08-NOV-2000; 2000US-0246524.
 PR 08-NOV-2000; 2000US-0246525.
 PR 08-NOV-2000; 2000US-0246526.
 PR 08-NOV-2000; 2000US-0246527.
 PR 08-NOV-2000; 2000US-0246528.
 PR 08-NOV-2000; 2000US-0246532.
 PR 08-NOV-2000; 2000US-0246609.
 PR 08-NOV-2000; 2000US-0246610.
 PR 08-NOV-2000; 2000US-0246611.
 PR 08-NOV-2000; 2000US-0246613.
 PR 17-NOV-2000; 2000US-0249207.
 PR 17-NOV-2000; 2000US-0249208.
 PR 17-NOV-2000; 2000US-0249209.
 PR 17-NOV-2000; 2000US-0249210.
 PR 17-NOV-2000; 2000US-0249211.
 PR 17-NOV-2000; 2000US-0249212.
 PR 17-NOV-2000; 2000US-0249213.
 PR 17-NOV-2000; 2000US-0249214.
 PR 17-NOV-2000; 2000US-0249215.
 PR 17-NOV-2000; 2000US-0249216.
 PR 17-NOV-2000; 2000US-0249217.
 PR 17-NOV-2000; 2000US-0249218.
 PR 17-NOV-2000; 2000US-0249244.
 PR 17-NOV-2000; 2000US-0249245.
 PR 17-NOV-2000; 2000US-0249264.
 PR 17-NOV-2000; 2000US-0249265.
 PR 17-NOV-2000; 2000US-0249297.
 PR 17-NOV-2000; 2000US-0249299.
 PR 17-NOV-2000; 2000US-0249300.
 PR 01-DEC-2000; 2000US-0250160.
 PR 01-DEC-2000; 2000US-0250391.
 PR 05-DEC-2000; 2000US-0251030.
 PR 05-DEC-2000; 2000US-0251988.
 PR 05-DEC-2000; 2000US-0256719.
 PR 06-DEC-2000; 2000US-0251479.
 PR 08-DEC-2000; 2000US-0251856.
 PR 08-DEC-2000; 2000US-0251868.
 PR 08-DEC-2000; 2000US-0251869.
 PR 08-DEC-2000; 2000US-0251989.
 PR 11-DEC-2000; 2000US-0251990.
 PR 11-DEC-2000; 2000US-0254097.
 PR 05-JAN-2001; 2001US-0259678.

(HUMA-) HUMAN GENOME SCI INC.

Rosen CA, Barash SC, Ruben SM;

WPI; 2001-457725/49.

P-PSDB; AAU17997.

Isolated novel immunoglobulin polypeptide for monitoring the presence and progression of diseases and for diagnosis -

Claim 1; SEQ ID No 31; 551pp; English.

Sequences AAS28765-AAS28877 represent cDNA molecules, which encode the immunoglobulin polypeptides of the invention, and primers for the polynucleotides. The polynucleotides and polypeptides can be used to diagnose a pathological condition or a susceptibility to a pathological condition in a subject by determining the presence or absence of a mutation in a DNA sequence or determining the presence or amount of expression of the protein. Alternatively the identification of a binding

CC partner to a sequence allows determination of changes in protein
CC activity. The sequences can be used as research tools for receptors or
CC other signal transduction pathway proteins that interact with the
CC polypeptides of the invention and can be used to treat, prevent or
CC diagnose various types of disorders such as neurological disorders,
CC cardiovascular disorders, gastrointestinal disorders, reproductive
CC disorders, immune system disorders, renal disorders, muscular
CC pulmonary disorders, proliferative disorders and cancer.
CC Note: The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pct_sequences.
XX

Sequence 4047 BP; 1073 A; 788 C; 863 G; 1311 T; 12 other;

Query Match 83.4%; Score 808.8; DB 22; Length 4047;
Best Local Similarity 99.0%; Pred. No. 2.6e-244;
Matches 810; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

OY	152	GAATGCACCTTTCAAGTCAACTTCAGATGTCACAGCTTACTATAGCTGGACATA	211
OY	152	GCAATTCCCTTTCAAGTCAACTTCAGATGTCACAGCTTACTATAGCTGGACATA	211
OY	212	TCCGCTCCAGCAGCAGCAGCAGCAGTATCAATATTTTCAATATATCAGTCTTTCCAGTACCC	271
DB	212	TCCGCTCCAGCAGCAGCAGCAGCAGTATCAATATTTTCAATATATCAGTCTTTCCAGTACCC	271
OY	272	AACACAGCAGGACATTTCCGGATCGGATTTCTTGGTGGAAATGTATACAAAGGGA	331
DB	272	AACACAGCAGGACATTTCCGGATCGGATTTCTTGGTGGAAATGTATACAAAGGGA	331
OY	332	TGCATCTAATGATTAAGCAACCTTACCATAAGGACATGGGACATTCAGCTGTGCTGT	391
DB	332	TGCATCTAATGATTAAGCAACCTTACCATAAGGACATGGGACATTCAGCTGTGCTGT	391
OY	392	GAAGATCCCCAGATGTGCACCATATATTTCCATGACAGCTAACAGTACACAAAG	451
DB	392	GAAGATCCCCAGATGTGCATCATATATTTCCATGACAGCTAACAGTACACAAAG	451
OY	452	GGTTTTGGACACATCTTTCTCTGTGGCCCTTCTTTCCATCCTTTGTGCCCCC	511
DB	452	GGTTTTGGACACATCTTTCTCTGTGGCCCTTCTTTCCATCCTTTGTGCCCCC	511
OY	512	AGCCGTGGTGGTGTCTCTCTGTGTGAGATGGGGAGGCTGCTGGGCTGAAGAA	571
DB	512	AGCCGTGGTGGTGTCTCTCTGTGTGAGATGGGGAGGCTGCTGGGCTGAAGAA	571
OY	572	GAGGAGCAGGTCTGGCTATAAGAGTCACTATTGAGGTTTCCGATGACACTCATCAGGA	631
DB	572	GAGGAGCAGGTCTGGCTATAAGAGTCACTATTGAGGTTTCCGATGACACTCATCAGGA	631
OY	632	GGAGGAGGCGGTGTATGGCGAGGCTTTGTGTCCGTGGCGTGGCTGGATTCAGA	691
DB	632	GGAGGAGGCGGTGTATGGCGAGGCTTTGTGTCCGTGGCGTGGCTGGATTCAGA	691
OY	692	CTATGAAGACATATTGATGAAGTCTGTATGACACACAGAGTCACTTAAGACAGG	751
DB	692	CTATGAAGACATATTGATGAAGTCTGTATGACACACAGAGTCACTTAAGACAGG	751
OY	752	AAACATCCCATTTCCACTGGCAGCTAAAGCTGTGAGAGAAAGTGGAGCTGGCGACCA	811
DB	752	AAACATCCCATTTCCACTGGCAGCTAAAGCTGTGAGAGAAAGTGGAGCTGGCGACCA	811
OY	812	TAGCGATGGACAATCTCGAGATCATCAGTAAAGACTTTAGGAACCACTTATTTATGAA	871
DB	812	TAGCGATGGACAATCTCGAGATCATCAGTAAAGACTTTAGGAACCACTTATTTATGAA	871
OY	872	TAAATGTTCTTGTCTATTATTAATGTTTCAGGAAGTCTCATTAAGAGACTCATGACTTC	931
DB	872	TAAATGTTCTTGTCTATTATTAATGTTTCAGGAAGTCTCATTAAGAGACTCATGACTTC	931
OY	932	CCCTTTCAATGAATATGCTGTAAATGAATGAAGAAT	969
DB	932	CCCTTTCAATGAATATGCTGTAAATGAATGAAGAAT	969

RESULT 5
ABA06545
ID ABA06545 standard; cDNA; 3802 BP.
XX
AC ABA06545;
XX
10-JAN-2002 (first entry)
XX
Human cDNA SEQ ID NO: 211.
XX
Human; gene therapy; neural disorder; immune system disorder;
KW muscular disorder; reproductive disorder; gastrointestinal disorder;
KW pulmonary disorder; cardiovascular disorder; renal disorder;
KW proliferative disorder; inflammation; ss.
XX
Homo sapiens.
XX
WO200154474-A2.
XX
02-AUG-2001.
XX
17-JAN-2001; 2001WO-US01349.
XX
31-JAN-2000; 2000US-179065P.
PR
04-FEB-2000; 2000US-180628P.
PR
24-FEB-2000; 2000US-184664P.
PR
02-MAR-2000; 2000US-186350P.
PR
16-MAR-2000; 2000US-189874P.
PR
17-MAR-2000; 2000US-190076P.
PR
18-APR-2000; 2000US-198123P.
PR
19-MAY-2000; 2000US-205515P.
PR
07-JUN-2000; 2000US-209467P.
PR
28-JUN-2000; 2000US-214886P.
PR
30-JUN-2000; 2000US-215135P.
PR
07-JUL-2000; 2000US-216647P.
PR
11-JUL-2000; 2000US-217487P.
PR
11-JUL-2000; 2000US-217496P.
PR
14-JUL-2000; 2000US-218290P.
PR
26-JUL-2000; 2000US-220963P.
PR
26-JUL-2000; 2000US-220964P.
PR
14-AUG-2000; 2000US-224518P.
PR
14-AUG-2000; 2000US-224519P.
PR
14-AUG-2000; 2000US-225213P.
PR
14-AUG-2000; 2000US-225214P.
PR
14-AUG-2000; 2000US-225266P.
PR
14-AUG-2000; 2000US-225267P.
PR
14-AUG-2000; 2000US-225268P.
PR
14-AUG-2000; 2000US-225270P.
PR
14-AUG-2000; 2000US-225447P.
PR
14-AUG-2000; 2000US-225757P.
PR
14-AUG-2000; 2000US-225758P.
PR
14-AUG-2000; 2000US-225759P.
PR
18-AUG-2000; 2000US-226279P.
PR
22-AUG-2000; 2000US-226681P.
PR
22-AUG-2000; 2000US-226868P.
PR
23-AUG-2000; 2000US-227182P.
PR
30-AUG-2000; 2000US-227009P.
PR
01-SEP-2000; 2000US-229287P.
PR
01-SEP-2000; 2000US-229343P.
PR
01-SEP-2000; 2000US-229344P.
PR
01-SEP-2000; 2000US-229345P.
PR
05-SEP-2000; 2000US-229509P.
PR
05-SEP-2000; 2000US-229513P.
PR
06-SEP-2000; 2000US-230437P.
PR
08-SEP-2000; 2000US-231242P.
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08-SEP-2000; 2000US-231243P.
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08-SEP-2000; 2000US-231244P.
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08-SEP-2000; 2000US-231413P.

OY 640 AGCGTCTATGCCGAGCCTTTGTGTCCTGCGCTGAGTGCCTGGATTACAGACTATGAAG 699
DB 482 AGCGGTGTATGGCAGCCTTTGTGTCCTGCGCTGAGTGCCTGGATTACAGACTATGAAG 541
OY 700 AGACATATTTCATGAAGCTCTGTATGACACAAAGAGAGTCACTAAAGACAGGAAACATCC 759
DB 542 AGACATATTTCATGAAGCTCTGTATGACACAAAGAGAGTCACTAAAGACAGGAAACATCC 601
OY 760 CATTCCACTGGCAGCTAAAGCCTGTCTCAGAGAAAGTGGAGCTGGCCTGGACCATAGCGATG 819
DB 602 CATTCCACTGGCAGCTAAAGCCTGTCTCAGAGAAAGTGGAGCTGGCCTGGACCATAGCGATG 661
OY 820 GACAATCCTCGAGTCAATCAAGTAAAGACTTTAGAACCACTTTATTTATTTGAATAATGTT 879
DB 662 GACAATCCTCGAGTCAATCAAGTAAAGACTTTAGAACCACTTTATTTATTTGAATAATGTT 721
OY 880 CTTGTTGTTATTATTAACCTGTTCCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTCA 939
DB 722 CTTGTTGTTATTATTAACCTGTTCCAGGAAGTCTCATAAGAGACTCATGACTTCCCTTTCA 781
940 ATGAATTATCCTGTAATTTGAATGAAGAAAT 969
DB 782 ATGAATTATCCTGTAATTTGAATGAAGAAAT 811

RESULT 6

ABA06727

ID ABA06727 standard; cDNA; 836 BP.

AC ABA06727;

DT 10-JAN-2002 (first entry)

DE Human cDNA SEQ ID NO: 393.

KW Human; gene therapy; neural disorder; immune system disorder;
KW muscular disorder; reproductive disorder; gastrointestinal disorder;
KW pulmonary disorder; cardiovascular disorder; renal disorder;
KW proliferative disorder; inflammation; ss.

OS Homo sapiens.

PN WO200154474-A2.

PD 02-AUG-2001.

PF 17-JAN-2001; 2001WO-US01349.

31-JAN-2000; 2000US-179065P.

04-FEB-2000; 2000US-180628P.

24-FEB-2000; 2000US-184664P.

02-MAR-2000; 2000US-186350P.

16-MAR-2000; 2000US-189874P.

17-MAR-2000; 2000US-190076P.

18-APR-2000; 2000US-198123P.

19-MAY-2000; 2000US-205515P.

07-JUN-2000; 2000US-209467P.

28-JUN-2000; 2000US-214886P.

30-JUN-2000; 2000US-215135P.

07-JUL-2000; 2000US-216647P.

07-JUL-2000; 2000US-216880P.

11-JUL-2000; 2000US-217487P.

11-JUL-2000; 2000US-217496P.

14-JUL-2000; 2000US-218290P.

26-JUL-2000; 2000US-220963P.

26-JUL-2000; 2000US-220964P.

14-AUG-2000; 2000US-224518P.

14-AUG-2000; 2000US-224519P.

14-AUG-2000; 2000US-225213P.

14-AUG-2000; 2000US-225214P.

14-AUG-2000; 2000US-225266P.

14-AUG-2000; 2000US-225267P.

14-AUG-2000; 2000US-225268P.

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PR 08-SEP-2000; 2000US-231414P.
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PR 08-SEP-2000; 2000US-232081P.
PR 12-SEP-2000; 2000US-231968P.
PR 14-SEP-2000; 2000US-232397P.
PR 14-SEP-2000; 2000US-232398P.
PR 14-SEP-2000; 2000US-232399P.
PR 14-SEP-2000; 2000US-232400P.
PR 14-SEP-2000; 2000US-232401P.
PR 14-SEP-2000; 2000US-233063P.
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PR 21-SEP-2000; 2000US-234223P.
PR 21-SEP-2000; 2000US-234274P.
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PR 27-SEP-2000; 2000US-235836P.
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PR 20-OCT-2000; 2000US-241809P.
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PR 08-NOV-2000; 2000US-246527P.

PR 17-MAR-2000; 2000US-0190076.
PR 18-APR-2000; 2000US-0198123.
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PR 07-JUN-2000; 2000US-0209467.
PR 28-JUN-2000; 2000US-0214886.
PR 30-JUN-2000; 2000US-0215135.
PR 07-JUL-2000; 2000US-0216647.
PR 07-JUL-2000; 2000US-0216680.
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PR 14-JUL-2000; 2000US-0218290.
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PR 26-JUL-2000; 2000US-0220964.
PR 14-AUG-2000; 2000US-0224518.
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PR 14-AUG-2000; 2000US-0225213.
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PR 14-AUG-2000; 2000US-0225266.
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PR 14-AUG-2000; 2000US-0225447.
PR 14-AUG-2000; 2000US-0225757.
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PR 22-AUG-2000; 2000US-0227182.
PR 23-AUG-2000; 2000US-0227009.
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PR 14-SEP-2000; 2000US-0232399.
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PR 20-OCT-2000; 2000US-0240960.
PR 20-OCT-2000; 2000US-0241221.
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PR 01-NOV-2000; 2000US-0241826.
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PR 08-NOV-2000; 2000US-0246525.
PR 08-NOV-2000; 2000US-0246526.
PR 08-NOV-2000; 2000US-0246527.
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PR 08-NOV-2000; 2000US-0246532.
PR 08-NOV-2000; 2000US-0246609.
PR 08-NOV-2000; 2000US-0246610.
PR 08-NOV-2000; 2000US-0246611.
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PR 17-NOV-2000; 2000US-0249299.
PR 17-NOV-2000; 2000US-0249300.
PR 01-DEC-2000; 2000US-0250160.
PR 01-DEC-2000; 2000US-0250391.
PR 05-DEC-2000; 2000US-0251030.
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PR 06-DEC-2000; 2000US-0251479.
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PR 08-DEC-2000; 2000US-0251869.
PR 08-DEC-2000; 2000US-0251989.
PR 08-DEC-2000; 2000US-0251990.
PR 11-DEC-2000; 2000US-0254097.
PR 05-JAN-2001; 2001US-0259678.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
XX Rosen CA, Barash SC, Ruben SM;
PI WPI; 2001-457725/49.
DR P-PSDB; AAU18059.
DR
XX
XX Isolated novel immunoglobulin polypeptide for monitoring the presence
PT and progression of diseases and for diagnosis -
PT
XX
PS Claim 1; SEQ ID No 93; 551pp; English.
XX
XX Sequences AAS28765-AAS28877 represent cDNA molecules, which encode the
CC immunoglobulin polypeptides of the invention, and primers for the


```
Db 113 TCCTGTTCTCCAGGGTGTATATATCGTCTTTCTCTTGGAGATTCGTGCAGATCCCCATG 172
Qy 121 TCCGAGGTATGTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCAACTTCAGATG 180
Db 173 TCCGAGGTATGTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCAACTTCAGATG 232
Qy 181 TCACTGACAGCTTACTATAGATGGACATATCCGCCCTCCAGCAGCAGGCACACATAT 240
Db 233 TCACTGACAGCTTACTATAGATGGACATATCCGCCCTCCAGCAGCAGGCACACATAT 292
Qy 241 CAATATTTCATTATACAGTCTTTCCAGTACCAACACACAGCAGGCACATTT 290
Db 293 CAATAKTCATTATACAGTCTTTCCAGTACCAACACACAGCAGGCACATTT 342

RESULT 9
AA40337
ID AA40337 standard; cDNA; 316 BP.
XX
C AA40337:
X
DT 16-JUN-1999 (first entry)
DE Human secreted protein 5' EST SEQ ID NO:124.
XX
KW Human; secreted protein; EST; expressed sequence tag; diagnosis;
KW forensic; gene therapy; chromosome mapping; signal peptide;
KW upstream regulatory sequence; cytokine activity; cell proliferation;
KW differentiation; haematopoiesis regulation; tissue growth regulation;
KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
KW thrombolytic; anti-inflammatory; tumour inhibition; ds.
XX
OS Homo sapiens.
PN WO9906439-A2.
XX
PD 11-FEB-1999.
XX
PF 31-JUL-1998; 98WO-1801233.
XX
PR 01-AUG-1997; 97US-0904468.
XX
PA (GEST ) GENSET.
PI Duclert A, Dumas Milne Edwards J, Lacroix B;
XX
DR MPI; 1999-153700/13.
R P-PSDB; AAY11619.
X
PT New nucleic acids encoding human secreted proteins - obtained from
PT cDNA libraries derived from liver, lung, large intestine, colon,
PT thyroid and pancreas tissue
XX
PS Claim 1; Page 236; 398pp; English.
XX
CC AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
CC human secreted proteins, and encode the proteins given in AAY11533 to
CC AAY11679, respectively. The proteins given represent the signal peptide
CC and an N-terminal fragment of a secreted protein. The nucleic acid
CC sequences can be used for producing secreted human gene products. They
CC can also be used to develop products for diagnosis and therapy. The
CC proteins obtained may have cytokine activity, cell
CC proliferation/differentiation activity, haematopoiesis regulating
CC activity, tissue growth regulating activity, reproductive hormone
CC regulating activity, chemotactic/ chemokinetic activity, haemostatic and
CC thrombolytic activity, receptor/ ligand activity, anti-inflammatory
CC activity, tumour inhibition activity or other activities. The products
CC can be used in forensic, gene therapy and chromosome mapping procedures.
CC The sequences can also be used for obtaining corresponding promoter
CC sequences. The nucleic acids encoding the signal peptide can be used for
CC directing extracellular secretion of a polypeptide or the insertion of a
CC polypeptide into a membrane, or importing a polypeptide into a cell.
XX
```

```
SO Sequence 316 BP; 67 A; 75 C; 85 G; 89 T; 0 other;
Query Match 21.6%; Score 209.4; DB 20; Length 316;
Best Local Similarity 99.5%; Pred. No. 1.4e-55;
Matches 210; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGATGACGACGAGAGGAGCAGCTGGAAGCCGTGGCTCTCTTCCCTCTGCTGCGCG 60
Db 105 GGATGACGACGAGAGGAGGAGCAGCTGGAAGCCGTGGCTCTCTTCCCTCTGCTGCGCG 164
Qy 61 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTTGGAGATTCGTGCAGATCCCCATG 120
Db 165 TCCTGTTCTTCCAGGGTGTATATATCGTCTTTTCCCTTGGAGATTCGTGCAGATCCCCATG 224
Qy 121 TCCGAGGTATGTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCAACTTCAGATG 180
Db 225 TCCGAGGTATGTGGAGAAAGATCAAGTTGAATGCACCTTTCAAGTCAACTTCAGATG 284
Qy 181 TCACTGACAGCTTACTATAGATGGACATATCCGCCCTCCAGCAGCAGGCACATAT 211
Db 285 TCACTGACAGCTTACTATAGATGGACATATCCGCCCTCCAGCAGCAGGCACATAT 315

RESULT 10
AAZ97082
ID AAZ97082 standard; cDNA; 1553 BP.
XX
AC AAZ97082:
XX
DT 19-APR-2000 (first entry)
XX
DE Human secreted protein gene 64 cDNA clone HTGCH22, SEQ ID NO:74.
XX
KW Human; secreted protein; cancer; tumour; developmental abnormality;
KW foetal deficiency; blood disorder; immune system disorder; inflammation;
KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
KW digestive disorder; endocrine disorder; infection; AIDS; leukaemia;
KW therapy; ds.
XX
OS Homo sapiens.
XX
PN WO9966041-A1.
XX
PD 23-DEC-1999.
XX
PF 15-JUN-1999; 99WO-US13418.
XX
PR 16-JUN-1998; 98US-0089507.
PR 16-JUN-1998; 98US-0089508.
PR 16-JUN-1998; 98US-0089509.
PR 16-JUN-1998; 98US-0089510.
PR 22-JUN-1998; 98US-0090112.
PR 22-JUN-1998; 98US-0090113.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Ruben SM, Ni J, Rosen CA, Wei Y, Young PR, Florence KA;
PI Soppet DR, Brewer LA, Endress GA, Carter KC, Mucenski M, Elmer R;
PI Lafleur DW, Olsen HS, Shi Y, Moore PA, Komatsoulis G;
XX
DR MPI; 2000-106100/09.
DR P-PSDB; AAY86278.
XX
PT New isolated human genes and the secreted polypeptides they encode,
PT useful for diagnosis and treatment of e.g. cancers, neurological
PT disorders, immune diseases, inflammation or blood disorders.
XX
PS Claim 1; Page 355; 586pp; English.
XX
CC AAZ97019 to AAZ97137 represent 94 isolated human secreted protein genes.
CC AAY86215 to AAY86333 are the secreted proteins encoded by the 94 human
```

CC genes. This sequence represents a fragment of one of the human secreted
 CC proteins. The genes and their corresponding secreted polypeptides are
 CC useful for preventing, treating or ameliorating medical conditions,
 CC e.g., by protein or gene therapy. Also pathological conditions can be
 CC diagnosed by determining the amount of the new polypeptides in a sample
 CC or by determining the presence of mutations in the new genes. Specific
 CC uses are described for each of the 94 genes, based on which tissues they
 CC are most highly expressed in, and include developing products for the
 CC diagnosis or treatment of cancer, tumours, developmental abnormalities
 CC and foetal deficiencies, blood disorders, diseases of the immune system,
 CC autoimmune diseases, inflammation, allergies, Alzheimer's and cognitive
 CC disorders, schizophrenia, arthritis, asthma, psoriasis, sepsis, skin
 CC disorders, atherosclerosis, diabetes, cardiovascular disorders, kidney
 CC disorders, digestive/endocrine disorders, infections and AIDS. The
 CC polypeptides are also useful for identifying their binding partners.
 CC The sequences shown in AAY86334 to AAY86585 represent fragments of the
 CC secreted proteins.

XX SQ Sequence 1553 BP; 442 A; 296 C; 330 G; 485 T; 0 other;
 Query Match 7.7%; Score 75; DB 21; Length 1553;
 Best Local Similarity 100.0%; Pred. No. 1.1e-12; Indels 0; Gaps 0;
 Matches 75; Conservative 0; Mismatches 0;
 QY 1 GGATGCAGCAGAGGAGCAGCTGGAAGCCGCTGCGCTCTCTCCCTCTGCTGGCG 60
 Db 10 GGATGCAGCAGAGGAGCAGCTGGAAGCCGCTGCGCTCTCTCCCTCTGCTGGCG 69
 QY 61 TCCTGTTCTTCCAGG 75
 Db 70 TCCTGTTCTTCCAGG 84

RESULT 11
 AAZ25016
 ID AAZ25016 standard; cDNA; 1219 BP.
 AC AAZ25016;
 XX
 DT 06-DEC-1999 (first entry)
 DE Human channel-related molecule HCRM-1 encoding cDNA.
 KW Human: channel-related molecule; HCRM; diagnosis; cell proliferation;
 KW transport disorder; ss.
 XX Homo sapiens.
 FH Key Location/Qualifiers
 FT CDS 247..894
 FT /*tag= a
 FT /product= "HCRM-1"
 FT /note= "human channel-related molecule"
 XX
 PN W09943807-A2.
 PD 02-SEP-1999.
 XX
 PF 08-FEB-1999; 99WO-US02739.
 XX
 PR 25-FEB-1998; 98US-0030747.
 XX
 PA (INCY-) INCYTE PHARM INC.
 XX
 PI Bandman O, Yue H, Lal P, Corley NC, Au-Young J, Tang YT;
 PI Baughn MR;
 XX
 DR WPI: 1999-540588/45.
 DR P-PSDB; AAY41673.
 XX
 PT New human channel-related molecules 1-3, useful for e.g. diagnosis,
 PT prevention and treatment of cell proliferative and transport disorders
 XX

PS Claim 7; Page 75; 79pp; English.
 XX
 CC The present sequence encodes the human channel-related molecule (HCRM)
 CC designated HCRM-1. HCRM nucleic acids and proteins can be used for the
 CC diagnosis, prevention and treatment of cell proliferative and transport
 CC disorders.
 XX
 SQ Sequence 1219 BP; 300 A; 274 C; 320 G; 325 T; 0 other;
 Query Match 6.1%; Score 67.4; DB 20; Length 1219;
 Best Local Similarity 53.6%; Pred. No. 2.3e-10;
 Matches 140; Conservative 0; Mismatches 121; Indels 1; Gaps 0;
 QY 149 GTTCAATGCACTTTCAAGTCAACTTCAGATGTCACACAAAGCTTACTATAGACTGGAC 208
 Db 378 GTTAAATGCACTTTTCCAGCTTTGCCCTCTGGGTGATGCTCTAACACATAGATCCCTT 437
 QY 209 ATATCGCCCTCCAGCAGCAGCCACACAGTATCAATATTTTCAATATCAGTCTTTCCAGTA 268
 Db 438 TTTTCGTCTCTAGACGGGGACCTTGACGAGTTTGTATTTCTTACCTACCATATAGATCCCTT 497
 QY 269 CCCAACACACAGCAGCAGCTTTCGGGATCGGATTTCTGGTTCGAAATGTCAGTCTGTC 328
 Db 498 CCAACCCATGAGTGGCGGTTTAAGGACCGGGTCTCTGGATGGGAATCTCGACCGGTA 557
 QY 329 GGATGCATCTATAAGCATATAAGCAACCCCTACCATTAAGGACAACTGGGACATTTTCCAGTCTGTC 388
 Db 558 CGATGCCCTCCATCTTCTCTGGAACCTGCAGTTCGACGACAACTGGGACATATACACTGCGCA 617
 QY 389 TGCAAGAATCCCCCAGATGT 409
 Db 618 GGTCAAGAATCCCCACCTGTATGT 638
 RESULT 12
 AAC58613
 ID AAC58613 standard; cDNA; 1371 BP.
 AC AAC58613;
 XX
 DT 29-JAN-2001 (first entry)
 DE Human PRO1192 protein UNQ606 encoding cDNA SEQ ID NO:162.
 XX
 KW Human: immune related disease; diagnosis; antiinflammatory; cardiac;
 KW dermatological; antiarthritic; antirheumatic; immunosuppressive;
 KW haemostatic; antithyroid; antidiabetic; neuroprotective;
 KW antianaemic; hepatotropic; virucide; antipsoriatic; antiallergic;
 KW antiasthmatic; systemic lupus erythematosus; rheumatoid arthritis;
 KW osteoarthritis; spondyloarthritis; systemic sclerosis; sarcoidosis;
 KW idiopathic inflammatory myopathy; Sjogren's syndrome; thyroiditis;
 KW systemic vasculitis; autoimmune haemolytic anemia; diabetes mellitus;
 KW autoimmune thrombocytopaenia; immune-mediated renal disease;
 KW demyelinating disease; hepatobiliary disease; Whipple's disease;
 KW inflammatory bowel disease; gluten-sensitive enteropathy;
 KW autoimmune disease; immune-mediated skin disease; allergic disease;
 KW immunological disease; transplantation associated disease;
 KW graft rejection; graft-versus-host-disease; ss.
 XX
 OS Homo sapiens.
 XX
 PN W0200053758-A2.
 PD 14-SEP-2000.
 XX
 PF 02-MAR-2000; 2000WO-US05841.
 XX
 PR 08-MAR-1999; 99WO-US05028.
 PR 10-MAR-1999; 99US-0123618.
 PR 12-MAR-1999; 99US-0123957.
 PR 23-MAR-1999; 99US-0125775.
 PR 12-APR-1999; 99US-0128849.
 PR 20-APR-1999; 99WO-US08615.


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Db 312 TTTTCGCTCTAGACGGGGACCTGAGCAGTTTGTATTTACTTACCACATAGATCCCTT 371
Oy 269 CCCAACACACAGCAGCAGCATTTCGGGATTCGGATTCCTGGTTGGAATGTATACAAAGG 328
Db 372 CCAACCCATGATGCGGGTTTAAGGACCGGGTCTTGGGATGGGATCCTGAGCGGTA 431
Oy 329 GGATGCATCTATAGTATAAGCAACCCCTTACCATAAGGACAAATGGGACATTCAGCTGTGC 388
Db 432 CGATGCTCTCCATCTCTCTGGAACCTGCAGTTTCGACGACAAATGGGACATACACCTGCCA 491
Oy 389 TGTGAAGAAATCCCCAGATGT 409
Db 492 GGTGAAGAACCCACCTGATGT 512

RESULT 14
AAS21487
ID AAS21487 standard; cDNA; 1371 BP.
X
A
24-OCT-2001 (first entry)
Human cDNA sequence encoding for PRO1192 polypeptide.
Human secretory and transmembrane; PRO: mammalian; cancer; lung;
breast; prostate; cervical; tumour necrosis factor-alpha; TNF-alpha;
cartilage; ear; proliferation; glucose; free fatty acid; skeletal muscle;
adipocyte; A-peptide; factor VIIA; gene therapy; ss.
OS Homo sapiens.
XX
PN WO200140466-A2.
XX
PD 07-JUN-2001.
XX
PF 01-DEC-2000; 2000WO-US32678.
XX
PR 01-DEC-1999; 99WO-US28301.
PR 02-DEC-1999; 99WO-US28634.
PR 02-DEC-1999; 99WO-US28551.
PR 02-DEC-1999; 99WO-US28564.
PR 02-DEC-1999; 99WO-US28565.
PR 02-DEC-1999; 99US-0170262.
PR 16-DEC-1999; 99WO-US30095.
PR 20-DEC-1999; 99WO-US30911.
PR 20-DEC-1999; 99WO-US31243.
PR 30-DEC-1999; 99WO-US31243.
PR 06-JAN-2000; 2000WO-US00277.
PR 06-JAN-2000; 2000WO-US00376.
PR 11-FEB-2000; 2000WO-US03565.
PR 18-FEB-2000; 2000WO-US04341.
PR 18-FEB-2000; 2000WO-US04342.
PR 22-FEB-2000; 2000WO-US04414.
PR 24-FEB-2000; 2000WO-US04914.
PR 24-FEB-2000; 2000WO-US05004.
PR 01-MAR-2000; 2000WO-US05601.
PR 20-MAR-2000; 2000WO-US07377.
PR 21-MAR-2000; 2000WO-US07532.
PR 30-MAR-2000; 2000WO-US08439.
PR 17-MAY-2000; 2000WO-US13705.
PR 22-MAY-2000; 2000WO-US14042.
PR 30-MAY-2000; 2000WO-US14941.
PR 02-JUN-2000; 2000WO-US15264.
PR 10-NOV-2000; 2000WO-US30873.
XX
PA (GETH ) GENENTECH INC.
XX
PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX

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DR WP1: 2001-408281/43.
DR P-PSDB; AAU12415.
XX
PT Isolated, secretory and transmembrane PRO polypeptide used to detect
PT other PRO polypeptides, link bioactive molecules to cells expressing
PT PRO polypeptides, and detect the presence of mammalian tumours e.g.
PT lung, breast, prostate, cervical
XX
PS Claim 3; Fig 487; 813pp; English.
XX
CC AAS21244-AAS21518 encode for novel human secretory and transmembrane
CC PRO polypeptides. The PRO polypeptides are useful to detect other
CC PRO polypeptides, to link bioactive molecules to cells expressing
CC PRO polypeptides, to modulate biological activities of cells expressing
CC PRO polypeptides, and to detect the presence of mammalian lung, colon,
CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
CC polypeptide expression in a cell sample to that in a control sample.
CC Some of the 275 sequences are also useful to stimulate the release of
CC tumour necrosis factor-alpha (TNF-alpha) from human blood, the
CC proliferation or differentiation of chondrocytes, the proliferation or
CC gene expression in pericyte cells, the release of proteoglycans from
CC cartilage, the proliferation of inner ear utricular supporting cells or
CC of T-lymphocytes, the release of a cytokine from peripheral blood
CC monocytes (PBMCs), or the proliferation of endothelial cells. Some of
CC the PRO polypeptides may modulate glucose or free fatty acid uptake by
CC skeletal muscle cells or by adipocytes; or inhibit binding of A-peptide
CC to factor VIIA. The PRO polypeptides can be used in assays to identify
CC molecules involved in binding interactions. The polynucleotides encoding
CC PRO polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy.
XX
SQ Sequence 1371 BP; 342 A; 315 C; 298 G; 416 T; 0 other;

Query Match 6.9%; Score 67.4; DB 22; Length 1371;
Best Local Similarity 53.6%; Pred. No. 2.5e-10;
Matches 140; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

Oy 149 GTTGAATGACATTTTCAAGTCACTTCAAGTCACTGACATGATGACAGCTTACTATAGATGGAC 208
Db 252 GTTAAATGACATTTTCTCCAGCTTTGCCCCCTGTGGGTGATGCTAACACAGTACCTGGAA 311
Oy 209 ATATCGCCCTCCAGCAGCAGCAGCCACACAGATATCAATATTTTCATTATCAGTCTTTCAGTA 268
Db 312 TTTTCGCTCTAGACGGGGACCTGAGCAGTTTGTATTTACTTACCACATAGATCCCTT 371
Oy 269 CCCAACACACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 328
Db 372 CCAACCCATGATGCGGGTTTAAGGACCGGGTCTTGGGATGGGATCCTGAGCGGTA 431
Oy 329 GGATGCATCTATAAGTATAAGCAACCCCTTACCATAAGGACAAATGGGACATTCAGCTGTGC 388
Db 432 CGATGCTCTCCATCTCTCTGGAACCTGCAGTTTCGACGACAAATGGGACATACACCTGCCA 491
Oy 389 TGTGAAGAAATCCCCAGATGT 409
Db 492 GGTGAAGAACCCACCTGATGT 512

RESULT 15
AAF44244
ID AAF44244 standard; cDNA; 1371 BP.
XX
AC AAF44244;
XX
DT 02-APR-2001 (first entry)
XX
DE Human PRO1192 (UNQ606) nucleotide sequence SEQ ID NO: 388.
XX
KW Human; secreted and transmembrane protein; PRO; cytosolic;
KW cell death; cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay; ss.
XX
OS Homo sapiens.

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